

MIT's
Oldest and Largest
Newspaper



The Weather
Today: Pleasant, 63°F (17°C)
Tonight: Cool, Clouds, 49°F (9°C)
Tomorrow: Partly Cloudy, 66°F (19°C)
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Volume 121, Number 52 Cambridge, Massachusetts 02139 Friday, October 19, 2001

MIT Alumnus To Run For City Council Spot

Major Issues Include Housing, MBTA Service
By Christine R. Fry
STAFF REPORTER

MIT alumnus Steven Jens '98 will be among the candidates running for a seat on the Cambridge City Council next month.



Steven Jens '98

Jens, who earned a degree in mathematics, decided to declare his candidacy for city councillor when he noticed a shortage of candidates who held views similar to his on issues such as property rights, schools, and parking regulation.

Seven of the nine current city councillors are running for reelection. There are also 12 others running for a seat on the council, including Jens.

As a student at MIT, Jens was active in the Undergraduate Association and in local politics. It was

during his undergraduate years that he became aware of the city council.

However, Jens said that it was probably not his classroom education that prepared him for a political career. "I learned about the city [politics] while I was at MIT," but not in the classroom, Jens said.

City issues have campus impact

As the price of housing in Cambridge has risen drastically over the past few years, affordable housing has become a major concern for both city residents and students. Some blame MIT and Harvard for buying valuable land to expand their campuses and real estate portfolios.

Steve Iskovitz, the council candidate endorsed by the MIT Greens, said that areas around university campuses should be zoned such that the universities can't buy up the land to expand their campuses. Instead, the land could be used for

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Chomsky Discusses Terrorism

By Maral Shamloo
STAFF REPORTER

Institute Professor Noam A. Chomsky delivered a critical analysis of America's "War Against Ter-

rorism" to a packed 26-100, as well as 3 full over-flow rooms.

Chomsky's talk last night focused on the September 11 disaster and its implications within and

outside the U.S., raising questions about what the origins of the crime were and what policy options the United States has.

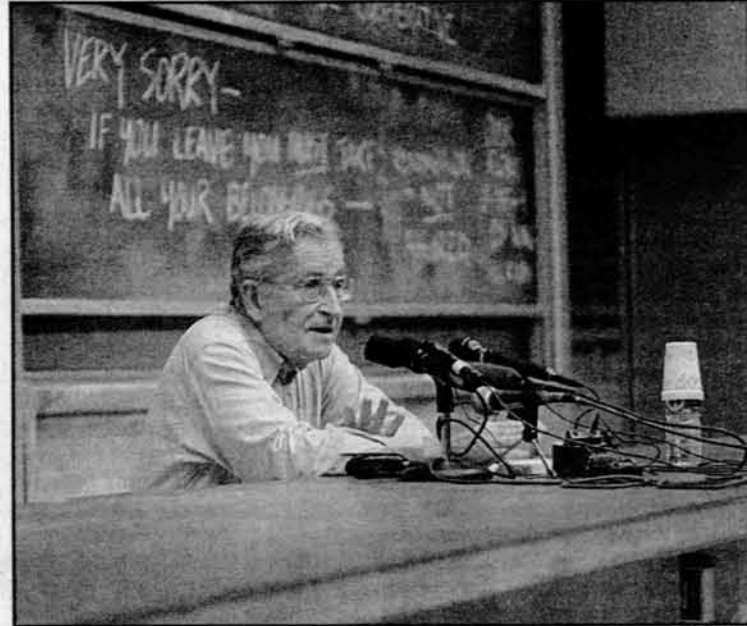
He expressed his astonishment at the reaction of people in U.S. and Europe over the situation in Afghanistan. "Seven to eight million people are on the verge of starvation in Afghanistan now," he said, "but there has been no reaction to the stopping of food delivery trucks through Pakistan since the bombings have started."

"This is a silent genocide," he continued, "but what is more disturbing is that even in a society of elite, which we are part of, this is considered normal."

He called the September 11 disaster "a historic event," not because of its scale but because of the nature of the event itself. "This is the first time since 1814 where a national territory of United States is being attacked," he said. "The guns have always been directed the other way."

Referring to military attacks by the United States on Nicaragua, he

Chomsky, Page 13



AMY WONG

Institute Professor Noam A. Chomsky speaks about the implications of the "War Against Terrorism" during his lecture yesterday evening in room 26-100.

MIT Debaters Take First at Harvard

By Jennifer DeBoer

Patrick J. Nichols '03 and Adam G. Unikowsky '03 edged out 141 other teams at the Harvard Debate Tournament to earn the first place trophy, MIT's best finish ever.

"I was still in shock that we got that far," Unikowsky said. To reach the tournament's finals, held on October 6, the team had to overcome Princeton University's A and B teams in the quarterfinal and

semifinal rounds, respectively. In both cases, "MIT Flippant" (Unikowsky and Nichols) won by a unanimous decision of the judges, 3-0 in the quarterfinal round and 5-0 in semifinal round.

Before the final rounds, there are five rounds of debating to narrow down the field. In these rounds, MIT Flippant won four out of five, falling only to a Yale novice team. With such a performance, MIT Flippant, as well as MIT A, which con-

sists of Debate Club President Philippe C. Larochelle '03 and Raj Krishnan '02, "broke" to quarterfinal rounds. Nichols said that this is the first time in recent memory that MIT has broken at the Harvard Tournament.

Flippant fares well as government

In each of the final three rounds, MIT played the role of the govern-

Debate, Page 11

Explaining the Biology Behind Bioterrorism

By Brian Loux

ASSOCIATE NEWS EDITOR

Recent threats and rumors of bioterrorism on American institutions have set many members of the public and the media on edge. Still, even with all the focus, most are left with burning questions about the "mysterious white powder" people have found on envelopes, and what scientists are doing about it.

Science Feature

After the events of the past week, it may appear that even our own college campus is susceptible to such an attack. But scientists are saying that even the worst case scenarios may not be all that menacing. Still, the readiness of the nation to respond to such an attack remains in question.

What is anthrax?

The powders of anthrax, known in the scientific community as *Bacillus Anthracis*, behaves very much like any other bacterial contagion. "Anthrax is a disease of intoxication, where the organism is inhaled, ingested, or is inserted under the skin," said Michael N. Starnbach, an Associate Professor of Microbiology and Molecular Genetics at Harvard Medical School. "It enters the body as dormant spores, and then germinates into bacteria and begins replicating once inside the body."

The bacterium secretes three distinct proteins, which cooperate to kill the host organism and aid in replication. The first protein is classified as "Protective Antigen," or PA. Though not harmful in itself, PA binds to cellular membranes to serve as the delivery molecule for the other two deadly proteins, known as "Lethal Factor" (LF) and "Edema Factor" (EF). Once able to enter the cell via PA, LF will disrupt cellular activity and result in cell death. In the meanwhile, EF is left to disrupt the cell's ion flow, resulting in an accumulation of fluid in between cells, known as edema. "The activity of these toxins is the majority of the disease itself," said Starnbach.

Like many other bacterial diseases, there is a vaccine for anthrax

Bioterrorism, Page 11



JONATHAN WANG—THE TECH

The MIT Environmental Health and Safety Team carries a bag of hazardous materials up the stairs of Building 8 on Wednesday. A description of the contents of the bag was not released, and no explanation was given for the evacuation of the third floor of Building 8.

THE ARTS

Serendipity is mindless, feel-good mush.

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Comics

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OPINION

Matt Craighead and Dan Tortorice offer opposing opinions on the best way deal with the recession.

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WORLD & NATION

Pentagon Tells Troops To Expect Extended Stay

LOS ANGELES TIMES

WASHINGTON

Troops deployed in the war against terrorism should expect to be away from home longer than military personnel have at any time since World War II, senior Pentagon officials are cautioning servicemen and women stationed around the world.

In a radio address broadcast Wednesday night on military networks, Gen. Richard B. Myers, chairman of the Joint Chiefs of Staff, said the Pentagon is likely to discard the personnel rotation schedule used in peacetime that limits the time troops are separated from their families.

While a transcript of the radio address was not made available, a defense official said Myers told troops, "We're going to do everything we can to manage this thing, but we're in a brand-new situation, so buckle your chin straps."

The rotation schedule was adopted in the early 1970s — when the military was having trouble retaining its recruits — as a way of making life in the armed forces more palatable. It limits the time that Army, Navy, Air Force and Marines personnel customarily are deployed to about six months. Longer deployment requires special orders from a four-star general.

Four Embassy Bombers Get Life Without Parole

NEWSDAY

NEW YORK

Under a blanket of unprecedented security and just blocks away from the smoldering wreckage of the World Trade Center, four members of Osama bin Laden's terror army were sent to prison for the rest of their lives after being convicted of conspiring with him in a worldwide plot to attack Americans.

The conspiracy culminated in the bombings of the U.S. Embassies in Nairobi, Kenya and Dar es Salaam, Tanzania on Sept. 7, 1998. Those attacks ripped through the buildings, killing 224 people, including 12 Americans. Thousands of others were also injured.

All four received the same life terms without parole and ordered to pay a total of \$33 million in restitution to the individual victims as well as the United States.

"This is a time not for eloquence but for justice," U.S. District Court Judge Leonard Sand said after hearing from five of the victims present in court. "Even were I tempted to engage in rhetoric I certainly could not match the eloquence and the poignancy of the witnesses we've just heard."

Airlines Begin to Show Evidence of Financial Strain

LOS ANGELES TIMES

Southwest Airlines, Alaska Air Group Inc. and United Parcel Service Inc., providing the first major evidence of the financial effect of the Sept. 11 terrorist attacks on the air-transportation system, Thursday posted sharp declines in their third-quarter profits compared with a year earlier.

But the financial damage will look much worse when the other major airlines announce their third-quarter results in the coming days. Those results are expected to show enormous losses for such major carriers as AMR Corp.'s American Airlines and UAL Corp.'s United Airlines.

The U.S. airline industry overall is expected to lose \$7 billion to \$10 billion for 2001, owing to an unprecedented two-day shutdown of civilian air travel after the attacks and a subsequent plunge in passenger traffic and reduced freight shipments. But even before Sept. 11, most carriers were facing a dismal third quarter.

U.S. Special Forces Begin War On Terrorism in Afghanistan

By Thomas E. Ricks and Vernon Loeb

THE WASHINGTON POST

WASHINGTON

U.S. special forces have begun the ground phase of America's war against terrorism in Afghanistan, operating in small numbers in support of the CIA's existing effort in the Taliban heartland, defense officials said Thursday.

Their presence on the battlefield comes amid growing indications that the war's intensity is about to increase dramatically after 11 days of U.S. and British airstrikes that Pentagon officials say have pummeled the defenses of Afghanistan's ruling Taliban militia.

The number of U.S. personnel on the ground is just a handful now and is unlikely to ever resemble the large number of conventional forces assembled in the Persian Gulf War a decade ago, defense officials said. But their presence marks a turning point in only the second week of the conflict, heightening the risk to U.S. forces and underscoring the seriousness of the Bush administration's commitment to prosecuting its war against terrorism.

The new special forces mission

in southern Afghanistan is designed to expand an ongoing CIA effort in the region to encourage ethnic Pashtun leaders to break away from the Taliban militia, a senior defense official said.

But another official said additional special forces are likely to be deployed soon, and could take on other missions such as reconnaissance, target designation for aircraft and, on rare occasions, direct attacks on Taliban or terrorist leaders.

Disclosure of the new special forces mission came on a day when a number of prominent officials commented on the inevitability of ground groups.

Speaking in London, British Prime Minister Tony Blair said "the next few weeks will be the most testing time but we are on track to achieve the goals we set out." He added: "I don't think we have ever contemplated this being done by air power alone."

Defense Secretary Donald Rumsfeld, briefing reporters at the Pentagon, declined to comment on the presence of special forces in Afghanistan "until we have an activity that is significant and noticeable." Rumsfeld noted that

aircraft "cannot really do sufficient damage; They can't crawl around on the ground and find people."

Joining Rumsfeld at the rostrum, Air Force Gen. Richard Myers, chairman of the Joint Chiefs of Staff, added: "We are prepared to use the full spectrum of our military capabilities. That's not just bombers or carrier-based aircraft; that's other assets as well."

Myers concluded with a direct appeal to all U.S. military forces and the American people. "I firmly believe that this is the most important task that the U.S. military has been handed since the Second World War," said Myers, a fighter pilot who flew 600 combat hours over Vietnam. "And what's at stake here is no less than our freedom to exist as an American people. ... So to every soldier, sailor, airmen, Marine, and Coast Guardsmen, and DOD civilian, and our allies and friends, I say, 'Let's stay ready, let's stay focused.'"

As Myers and Rumsfeld hinted at the impending ground war, EC-130 "Commando Solo" psychological operations aircraft filled the airwaves of Afghanistan with instructions to civilians to follow when U.S. troops arrive.

Taliban Opposition Plans Action

Rebel Commanders Gather To Overthrow Taliban Government

By Rone Tempest

LOS ANGELES TIMES

PESHAWAR, PAKISTAN

In a heavily guarded, walled compound here, Haji Mohammed Zaman presided Thursday over a war council of 100 black-bearded Pashtun commanders who may hold the key to the future of Afghanistan.

Expelled from his Pakistani base in 1997 because of his activities against Afghanistan's Taliban regime, Zaman has spent the past four years as a political refugee in France. On Thursday, Zaman was back in Peshawar at the invitation of the same Pakistani government that kicked him out.

As armed sentries patrolled the

ramparts, Zaman instructed his commanders to go to Afghanistan and persuade Taliban fighters to give up their posts or face the wrath of a renewed and re-armed opposition backed by U.S. firepower.

"We will ask the Taliban to surrender political power; If they don't, we will go after them," Zaman said.

His commanders made a wish list of what they wanted for the job: rocket launchers, surface-to-surface missiles, long-range cannons, crates of assault rifles and lots of cash.

The extraordinary meeting Thursday morning in this dusty frontier city represented an early milestone in the U.S.-backed attempt to construct a viable alternative to the Taliban in the important Pashtun-dominated borderland, where the fundamentalist regime still enjoys its strongest support.

As the Northern Alliance and Iranian-backed fighting units con-

verge on Kabul, the Afghan capital, from the north and west, the Taliban still has space for strategic retreat to the south unless a Pashtun resistance force can be raised to meet it.

The local commanders at the meeting Thursday were from two eastern Afghan provinces, Nangarhar and Konar, but more such meetings of commanders from other provinces are expected in coming days as opposition leaders rush to assemble a post-Taliban ruling council under the banner of exiled 87-year-old Afghan monarch Mohammad Zaher Shah.

Key to the success of the effort is the recruitment of anti-Taliban and moderate Taliban Pashtuns, the largest ethnic group in Afghanistan. The task is complicated by a four-year Pakistani policy supporting the Taliban that was reversed under U.S. pressure after the Sept. 11 attacks on America.

WEATHER

Seasonable Fall Weather

By Bill Ramstrom

STAFF METEOROLOGIST

After a few spells of nice Indian summer weather, this weekend we will have more average late October temperatures. From now until Monday, highs will be in the low to mid 60s F with lows at night around 50° F.

A trough will approach from the northwest on Saturday, but most of the precipitation will probably miss our area. Sunday will bring ideal weather for the Head of the Charles—will be sunny, with light winds and temperatures in the low 60s F.

Weekend Outlook

Today: Fair and pleasant. High 63°F (17°C).

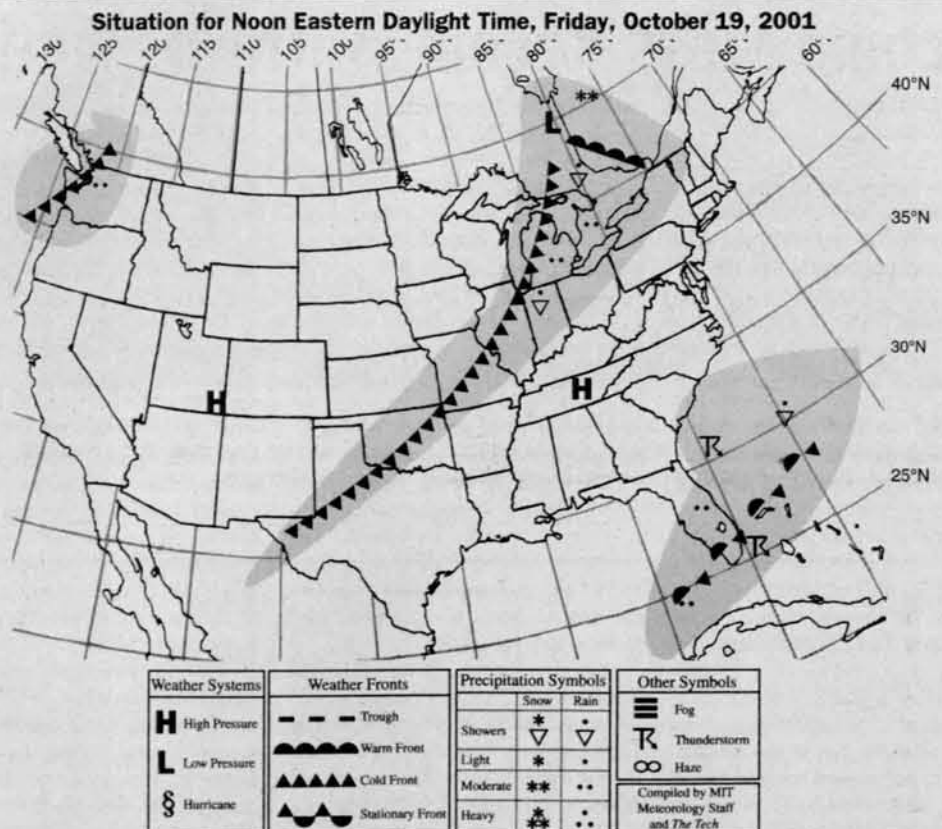
Tonight: Cool with some clouds moving in. Low 49°F (9°C).

Saturday: Partly cloudy and mild. High 66°F (19°C).

Saturday Night: Clouds and a chance of a shower early, then clearing. Low 49°F (9°C).

Sunday: Sunny. High 64°F (18°C).

Monday: Sun and clouds. High 66°F (19°C).



Northern Ireland Protestants Pull Out of Power Sharing Pacts

By Michael Dobbs
and Adi Bloom
THE WASHINGTON POST

LONDON

Northern Ireland Protestant politicians announced Thursday they were pulling out of a power-sharing arrangement with Catholics to protest the failure of the Irish Republican Army para-military movement to surrender its weapons.

Political analysts interpreted the announcement as a tactical move designed to put pressure on the IRA to start disarming. But it could lead to the suspension of Northern Ireland's three-year-old experiment in self-government and the reimposition of direct rule from London.

"It is well past time for Republicans to act," said David Trimble, leader of the pro-British Ulster Unionist Party, referring to protracted negotiations with IRA leaders on "decommissioning" of weapons. "It is up to them and no one else."

Thursday's decision by the Ulster Unionists to pull their ministers out of the coalition government

set up in the wake of the 1998 Good Friday peace accord marks a setback to British efforts to return Northern Ireland to self-rule. It followed Trimble's own resignation as Northern Ireland's first minister in July because of an earlier deadlock on decommissioning.

Trimble said that all three Ulster Unionist ministers were withdrawing from the Northern Ireland executive, or government, along with two ministers representing the allied Democratic Unionist Party.

Under constitutional arrangements accepted by all sides, the British government now has seven days to decide whether to order fresh elections in the province or to suspend the Northern Ireland Assembly for an indefinite period. Intensive negotiations are likely over the next week in an attempt to find a compromise.

Leaders of Sinn Fein, the IRA's political wing, which favors union with the Irish Republic, have hinted during the past few days that they are moving toward an agreement on

giving up their weapons. As in the past, however, rumors of progress in the backstage negotiations have alternated with reports of deadlock.

Trimble held private talks with Sinn Fein leader Gerry Adams earlier Thursday, but both sides were tight-lipped about their discussions. Sinn Fein earlier said that it was working with both the British and Irish governments and the Ulster Unionists to end the stalemate in the peace process.

Under the Good Friday agreement, all parliamentary groups in Northern Ireland are required to hand in all their weapons as part of the power-sharing agreement between republicans and loyalists. A spokesman for the Ulster Unionist Party, Philip Robinson, said that "not one bullet, not one gun, not one ounce of Semtex," the plastic explosive, has been handed over by the IRA as a result of the agreement.

Under the rules for power-sharing in the assembly, the Northern Ireland government cannot formally meet without unionist ministers present.

Palestinian Leaders Reject Israeli Demands to Extradite Assassins

By Lee Hockstader
THE WASHINGTON POST

RAMALLAH, WEST BANK

Yasser Arafat's Palestinian Authority Thursday rejected an ultimatum by Israel to hand over the assassins of an Israeli cabinet minister. Threatening a major attack, Israeli tanks roared into the outskirts of three Palestinian cities, killing three Palestinians.

On the heels of the assassination of Tourism Minister Rehavam Zeevi, the Israeli newspaper Maariv quoted Prime Minister Ariel Sharon as telling his cabinet: "Arafat has seven days to impose absolute quiet in the (Palestinian) territories. If not we'll go to war against him." Another Israeli daily, Yedioth Ahronoth, quoted Sharon as saying, "As far as I'm concerned, the era of Arafat is over."

Arafat ordered the arrest of at least three political leaders of the Popular Front for the Liberation of Palestine (PFLP), the militant group that took responsibility for assassinating Zeevi, an extreme nationalist. But Palestinian officials said there was no question of extraditing the leaders or anyone else to Israel, including the suspected killers if they are caught, and Israel said the arrest orders were insufficient.

"We reject the Israeli ultimatum," said Palestinian Information Minister Yasser Abed Rabbo. "This ultimatum is Israeli blackmail, not an attempt to seek a solution to the present crisis."

Meanwhile, in Jordan, veteran PFLP militant Leila Khaled said the group would try to assassinate more Israeli politicians, with Sharon at the top of the list. The Palestinians said they had "uncovered" an Israeli plot to assassinate Arafat; the Israelis dismissed the allegation as nonsense.

As the day progressed, the tempo of violence intensified. At dawn Sharon ordered Israeli tanks and armored vehicles into Palestinian-controlled parts of Ramallah and Jenin in the West Bank, triggering firefights that left three Palestinians dead, including a 12-year-old schoolgirl.

In Ramallah, just north of Jerusalem, the tanks rolled to within a half mile of Arafat's main headquarters there, and Israeli forces declared a round-the-clock curfew for Palestinians in areas of the West Bank under their control. In the afternoon, Israeli tanks entered a third Palestinian city in the West Bank, Nablus.

Sharon's strategy, said an Israeli

official, "is to apply moderate force on the Palestinians and send the Americans to pressure them, hoping they'll get the message and it'll not be necessary to do anything really serious. So it's a game of chicken in a way."

Thursday evening, a well-known Palestinian armed militant and two compatriots were killed by an explosion in a jeep carrying them in Bethlehem. The militant, Atef Abayat, was on Israel's most-wanted list, and Palestinians said he had been assassinated by Israeli agents in a booby-trapped car.

Abayat's death touched off extremely heavy gun battles Thursday night between Palestinian gunmen who opened fire from the town of Beit Jala and Israeli troops in the Jewish neighborhood of Gilo on Jerusalem's southern fringe — the first fighting there in almost two months. Palestinians also fired a mortar shell toward Gilo.

Sharon, who put Israeli troops in Beit Jala for two days in late August, had vowed to re-occupy the town if Palestinians resumed firing from there.

Also Thursday, one Jewish settler was killed and three others injured in two separate ambushes near Jericho and Qalqilya.

Postal Worker, Dan Rather's Assistant Become Most Recent Anthrax Victims

By John Lancaster
and Helen Dewar
THE WASHINGTON POST

A New Jersey postal worker and an assistant to CBS News anchor Dan Rather have contracted the skin form of anthrax, bringing to six the number of people known to have been infected by the bacterium in a series of bioterrorist attacks, federal health authorities said Thursday.

The news came as congressional leaders and the Bush administration after several days of confusion and mixed messages launched a broad campaign to contain public anxiety about the mysterious anthrax-contaminated letters sent to media outlets in New York and apparently Florida as well as the Capitol office of Senate Majority Leader Tom Daschle, D-S.D.

Thursday night, a second New Jersey postal worker also was reported to show symptoms of skin anthrax, which would bring the total number of known infections to seven. Federal health officials also

said they are investigating several other possible cases of anthrax linked to New York and Florida.

In Washington, where the House and three Senate office buildings have been closed since Wednesday afternoon, officials announced with evident relief that the number of people who show evidence of exposure to anthrax, which does not mean they will fall ill, has not increased from the 31 congressional and law enforcement personnel who had previously been identified.

They said, however, that anyone who spent time Monday on the fifth or sixth floor of the Hart Building's southeast quadrant, near Daschle's fifth-floor office, should take the antibiotic Cipro for the next two months as a precaution.

Since the anthrax was discovered Monday, about 3,000 people, some of whom were nowhere near the Hart building that day, have lined up for nasal swabs that can determine the presence of anthrax spores, though not actual infection. As of

Thursday afternoon, results were in for 878 tests, all of them negative, officials said. The Centers for Disease Control and Prevention advised that no further medical screening is required for those who were outside the so-called exposure zone near Daschle's office.

"I'm very upbeat, very optimistic," Sen. Bill Frist, R-Tenn., the Senate's only physician, told reporters at an afternoon briefing with federal health officials. "People are working together in a harmonious, almost symphonic way."

But containing the anthrax scare proved easier said than done amid a spate of new reports, most of them false alarms and hoaxes, but all of them taken seriously in the new climate of vigilance.

The story took an international turn Thursday when health authorities in Kenya disclosed that a letter mailed from Atlanta to a private home in Nairobi tested positive for anthrax, the first confirmed foreign case since the Sept. 11 attacks.

Letter to Nairobi Man Tests Positive for Anthrax

THE WASHINGTON POST

CAIRO, EGYPT

Health authorities in Kenya said a letter mailed from Atlanta to a man in the capital Nairobi tested positive for anthrax, the first such case confirmed beyond U.S. borders since the Sept. 11 terrorist attacks on New York and Washington.

The letter, containing white powder and several small bits of cloth, was postmarked Sept. 8 and delivered Oct. 9 to the man, who opened it two days later. A culture test by the state-run Kenya Medical Research Institute on Wednesday came back positive for anthrax spores, health minister Sam Ogeri told a news conference Thursday.

"He saw the letter, he saw the powder and he looked at it and he reported it," Ogeri said of the recipient, who he declined to identify by name or occupation. The man and four members of his family are undergoing tests for exposure to the pathogen.

Authorities did not identify the man or his family and offered no explanation as to why anthrax might have been sent to them or by whom. There was no evidence other than time and similarity to link the mailing to anthrax cases in the United States.

Kenya is a close ally of the United States. In 1998, a bomb exploded at the U.S. Embassy in Nairobi, killing 213 people. The Kenyan government cooperated closely in extraditing suspects associated with Osama bin Laden to the United States for trial.

Arctic Drilling Dispute Escalated By Discrepancy in Testimony

THE WASHINGTON POST

WASHINGTON

When a Senate committee asked Interior Secretary Gale Norton questions about caribou in the Arctic National Wildlife Refuge, she sought answers from the agency in her department that runs the refuge.

But when Norton formally replied to the committee, she left out the agency's scientific data that suggested caribou could be affected by oil drilling, while including its data that supported her case for exploration in the refuge, documents show. Norton also added data that was just wrong, stating that caribou calving has been concentrated outside the proposed drilling area in 11 of the last 18 years, when in fact the opposite is true.

The Arctic refuge was already the first issue to pierce the bipartisan consensus that prevailed on Capitol Hill since last month's terrorist attacks, with drilling proponents pushing for a vote on national security grounds and opponents arguing for delay. Norton's behind-the-scenes rebuff to the Fish and Wildlife Service — which is the Interior Department's front-line environmental agency, but is not yet staffed by any Bush administration political appointees — is likely to heighten tensions over the nation's most disputed patch of tundra.

UCLA Surgeons Successfully Implant Artificial Heart

LOS ANGELES TIMES

LOS ANGELES

University of California, Los Angeles surgeons successfully implanted a self-contained artificial heart in a patient Wednesday, marking only the fourth time it has been done and the first time in the West.

Dr. Hillel Laks, who headed the surgical team, said Thursday that the 11th-hour procedure "went exceptionally well and the artificial heart is functioning beautifully."

The patient, a man in his 70s, was said to be resting comfortably. The medical center did not release any other details about the patient.

Abiomed Inc., which manufactures the heart, has been criticized for withholding information about earlier patients who underwent the implant operation until well after their surgeries were completed. But the company has responded by saying that its actions were meant to protect the privacy of the patients' families and to avoid distracting the physicians from their work.

Surgeons at Jewish Hospital in Louisville, Ky., implanted the device — the AbioCor artificial heart — for the first time July 2 in Robert Tools, 59, who was near death from heart disease. They repeated the procedure Sept. 14 on Tom Christerson, 70, who was also near death.

A team from St. Luke's Episcopal Hospital in Houston performed the third procedure Sept. 28 on a man who has so far been described only as "desperately ill." All three patients are doing well on the artificial heart, according to Edward E. Berger, a vice president of Abiomed Inc., of Danvers, Mass.

Swift Officially Announces Candidacy for Governor in 2002

LOS ANGELES TIMES

BOSTON

Surprising no one, Acting Gov. Jane M. Swift declared Thursday that she will be a candidate for the state's top office in 2002.

Swift, 36, has occupied the coveted corner office of the gold-domed statehouse since April, when fellow Republican Paul Cellucci left the governorship to become U.S. ambassador to Canada.

After several missteps as lieutenant governor, Swift, in late-term pregnancy, took office with low approval ratings and widespread skepticism about her ability to do the job. In the ensuing months, she has delivered twin girls — making her the first governor in U.S. history to give birth while in office — and has gained public confidence and popularity.

Swift has assumed a high profile since the Sept. 11 terrorist attacks. The two planes that hit New York's World Trade Center originated at Boston's Logan International Airport, vaulting Swift and her state into a worldwide spotlight.

Swift announced her candidacy Thursday after a send-off ceremony for 100 National Guard troops headed to Fort Dix, N.J.

"She said all along she would be letting folks know her intentions sometime in late winter," aide Sarah Magazine said.

OPINION



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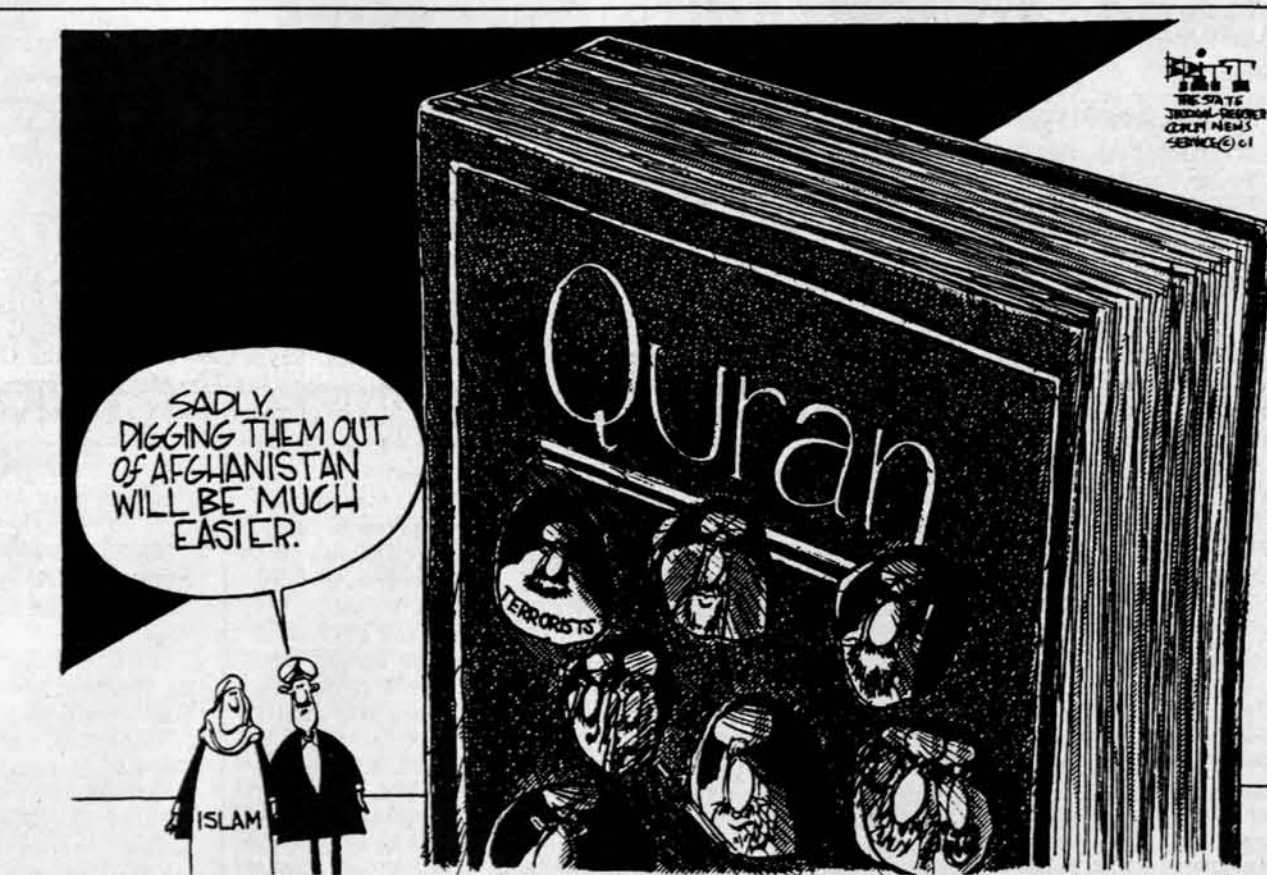
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Letters To The Editor

Gave Peace a Chance

I have seen many peace rallies planned and occurring in the area recently. People are angry over U.S. bombing in Afghanistan.

However, I am worried by these people's idea that we can just stand aside and make peaceful gestures, and everything will be better. The problem is, this won't work.

Imagine 100 people in a room, 99 of whom are peaceful. The remaining one, if he wishes to cause violence, will succeed in hurting the other 99 people unless they fight back. But fighting back means sacrificing their peaceful demeanor for a little while. It's even

harder when the one person who wants to hurt all the others is armed.

And yes, perhaps he has his reasons. Maybe he feels threatened by how the others are staring at him, feels as if they are waiting to laugh at him when he picks his nose. Perhaps he is feeling lonely and dejected because the other 99 people are ignoring him. It doesn't matter, the point is, if the other 99 people want peace, they're going to have to eliminate the one violent person in the room somehow.

I want peace as much as the peace ralliers do. But I understand that we must sometimes fight and eliminate those who wish to hurt us,

before we can relax and live our lives without being threatened. Otherwise the terrorists can continue to hurt us, without fear of retribution.

Dawn Perlner '01

Good 'Tools'

Though I often disagree with what you write, I greatly appreciated "A Generation Of Tools" [Oct. 16] — premises, arguments, conclusion — the whole article. Bravo!

Aram Harrow G

Opinion Policy

Editorials are the official opinion of *The Tech*. They are written by the editorial board, which consists of the chairman, editor in chief, managing editor, executive editor, news editors, features editor, and opinion editors.

Dissents are the opinions of the signed members of the editorial board choosing to publish their disagreement with the editorial.

Columns and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper.

Letters to the editor are welcome. Electronic submissions are encouraged and should be sent to letters@the-tech.mit.edu. Hard copy submissions should be addressed to *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W20-483. All submissions are due by 4:30 p.m.

two days before the date of publication.

Letters and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. No letter or cartoon will be printed anonymously without the express prior approval of *The Tech*. *The Tech* reserves the right to edit or condense letters; shorter letters will be given higher priority. Once submitted, all letters become property of *The Tech*, and will not be returned. *The Tech* makes no commitment to publish all the letters received.

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Economic Stimulus

Matt Craighead

The battle between the Keynesians and the supply-siders has returned with a vengeance. The economic situation is not in dispute: an already slumping economy took a big hit on September 11. Billions of dollars of wealth vanished in just a few hours. Numerous companies have announced layoffs, with total job losses in the hundreds of thousands. Previously flat economic growth will undoubtedly slip into recession.

Many have asked what kind of economic policy the government should undertake to help out. To these people, I would first point out that this question rests on a false premise: the idea that the government should engage in economic policy at all. But surely, we can at least examine the proposals and see what is reasonable and what is nonsensical. (In all fairness, neither side speaks with one voice, but there are some definite trends and common ideas.)

The Keynesians suggest that our economy's basic problem is lack of demand; therefore, they urge increased government spending on infrastructure, be it roads or schools or reconstruction of damaged areas, another tax rebate (this time targeted largely to the poor), higher unemployment benefits (for the poor), and cuts in payroll taxes, which affect mostly the poor and middle-class. The essential things the government needs to do, according to Keynesian economists, are borrow money and spend it. Whatever we do, they demand, we must not reduce taxes on the rich, who already got a tax cut earlier this year; the rich won't spend that money anyhow.

The supply-siders see a different problem: a recession caused by slumping business investment. Therefore, they suggest, we must boost the incentives to save and invest. They want to allow businesses to expense their investments more quickly, accelerate the previously enacted tax rate cuts, repeal the corporate alternative minimum tax (which hits especially hard during recessions), and reduce capital gains taxes. These actions will increase the amount of capital available for investment and the rates of return on investments.

The Keynesians' ideas about spending rely on a concept known as the "multiplier." If you give someone \$100, they'll spend some fraction of it; say they spend \$80 and save \$20. Then the person who receives the \$80 will in turn spend \$64, and so on. The total spending that results from this \$100 gift is, in fact, \$400. In this case, the multiplier is four; its actual value depends on the economic variable known as the marginal propensity to consume: the fraction of the gift spent each time.

By this theory, to boost consumption, and thus the economy, the government should spend more and give money to the poor and middle class. Keynesians point to a fact not in dispute, that the marginal propensity to consume drops with income, and conclude that government spending is beneficial.

This analysis fails on several levels. It completely ignores where the money came from. Governments obtain money in three ways: taxing, printing, and borrowing. Taxes

take money from one person and give it to another. There may be a small effect if the person taxed is richer than the person receiving the transfer payment, but the multiplier is essentially wiped out. In the second case, printing money merely causes inflation, and is equivalent to a wealth tax, so the analysis is the same. Finally, borrowing not only involves a cash transfer and falls through by the same analysis, but creates an additional government debt to be paid by taxation. Printing money to pay off a debt is a certain recipe for hyperinflation.

Now, even if this policy did boost consumption, it would not create wealth. Goods must be produced before they can be consumed. What is produced but not consumed is called savings; when consumption exceeds production, savings are depleted. The problem is that wealth is being measured in terms of money, not in terms of goods. Imagine that everyone suddenly had twice as much money. Businesses would double their prices, and nothing would have changed. Money alone is not a measure of wealth; money is only valuable because it can buy things. Giving people more money to consume will not increase purchasing power; it will merely increase prices.

The mindlessness of deficit spending is best illustrated by a classic example: the government that pays people to dig ditches and fill them back up. This gets money moving around in the economy, but obviously, it creates no wealth; in fact, it wastes productive energy. A real-world example is Japan's experience in the 1990s. Japan didn't exactly dig ditches and fill them back up, but it did go on an orgy of deficit spending for public works projects, and has nothing to show for it but a recession and a massive national debt.

Once we recognize that consumption cannot create wealth, the rest falls into place easily. If a government wishes to promote the creation of wealth, it must promote production, not consumption. Production can only be increased in three ways: more labor, more capital, and better technology.

Labor is largely fixed in any industrialized economy with low population growth, but capital and technology can grow without limit. Capital is investment; investment is savings; and savings is past production that was not consumed. To increase the capital stock, we must therefore encourage investment. Technology is also linked to capital and investment. It is only through investment in research that technology will ever improve.

So, insofar as the creation of wealth goes, the supply-siders are invariably in the right. Wealth is production, and production requires investment. The supply-siders don't have a short-term fix for the current situation, true. But theirs is the only solution that can work, because they recognize in the words of one of the great presidents of the 20th century, an ardent supply-sider, that "If we look to the answer as to why for so many years we achieved so much, prospered as no other people on Earth, it was because here in this land we unleashed the energy and individual genius of man to a greater extent than has ever been done before."

A Quick Guide To Recessions

Dan Tortorice

We are about to experience the United States in a recession. Most readers of this article have never really experienced an American recession, since during the last one in 1991, most of us were too young to notice.

Since this is the first recession we will really live through, it may be a bit scary. But not to worry, recessions are temporary matters and soon we will be looking back on this one.

There are two ways of thinking about how the economy generates output. The first is the black-box way. The economy has resources, machines, people, land etc., and you put those resources in a box and out pops a bunch of goods and services. This view of the economy doesn't allow for recessions. If you put the same amount of things into the box you should get the same amount out. In order to understand recessions, one must look at the economy in a second way, and realize that sometimes consumers won't want everything that comes out of the box. When this happens, businesses produce less, and they put less stuff into the box. When there are fewer people put in the box, we have more unemployment. And when they put less stuff in the box, less comes out, and we have less output. That's a recession.

Originally, economists didn't believe that this could happen. They argued that in making the stuff that went into the box, enough income had to be generated to buy what came out of the box. This idea, called Say's Law, implied that recessions did not happen. Say's Law died with the Great Depression when John Maynard Keynes, the founder of macroeconomics, pointed out that there is no reason that consumers will want what comes out of the box. The only way to get them to want to buy it is if prices decrease to the point that consumer demand rises again. But he noted, and many empirical studies have confirmed, that for whatever reason, prices are slow to adjust. Until prices adjust, some of what could come out of the box, won't, because people just don't want to consume it. This is the first cause of a recession, a shortfall in consumption.

There's a second cause, which is similar, but worth considering separately because it deals with businesses. Businesses invest a lot, and that contributes to output. But these decisions are made on expectations. A consulting firm invests in computers, hoping that they will improve its business and make money in the future. What happens when

those expectations do not pan out? Firms are stuck with too much investment, they have too many computers and machines, and these firms no longer want to invest. In other words, there is a shortfall in business investment demand. This is the second cause of a recession. And the coming recession will be caused by a combination of this and the previous reason.

The nice thing about knowing the cause of something is that one can then find a cure. And there are three specific cures that will help lift the United States out of recession. This is why I can confidently say we will be looking back on the recession soon enough.

The first cure is for the government to print money. Make more dollars and put them into the economy. This may seem strange, after all. If you just doubled the amount of money in the economy overnight, shouldn't things just become twice as expensive and shouldn't everything go back to normal? The answer is yes, eventually. Remember that it takes a bit of time for prices to adjust; this means that the government can create income in the short term by printing money. When people have more money, they spend more. When people spend more, businesses want to make more come out of the black box. So resources are put back into the box, generating more income, which sustains the

increased demand, getting the economy back on its way.

To cure the lack of business investment the government can reduce interest rates. This happens as a consequence of printing money. When the government increases the amount of money in the economy, people's behavior needs to be modified in order for these people to want to spend that money and not save it. For that to happen, it must become less valuable to save; that is to say, the interest rate on your savings must fall. When that happens, banks charge less for loans, businesses can invest more cheaply, and they begin to invest more. In investing, these businesses begin to employ some of these unused resources and the economy gets going again.

The last thing the government can do is to force people to spend. Not by use of force, per se, but by taxing them, taking their money, and then spending on public works projects, transfers to the disadvantaged, and the like. This will get resources going again, and get our economy back on track. So if you are worried about the coming recession, don't be. Our government has the tools to fix it, and seems to be using them. It'll be tough, but soon our economy will be growing again.

Say's Law implied that recessions did not happen, but it died with the Great Depression and the works of John Maynard Keynes.

Classic or Recycled?

Philip Burrowes

Blind Date recently added a "Hall of Shame" segment to their new episodes which showcases "classic" scenes from old dates. With its daily, yet erratic, schedule — WCVB not only switches the show's time, but will often push it back to accommodate ABC programs. As most people won't get to see all shows, this seems like a good idea. However, even casual viewers will realize that the show has only been on since 1999, so these nominal classics are actually chosen from a relatively small selection. Not only is it an obviously cheap attempt (from an admittedly cheap show) to fill time with old content, but it's actually not distinct from the "new."

Such poorly executed content-incest would be ignorable if it were relegated to late night syndication, but it has become frightfully prevalent. Cartoon Network, while never expected to fill its schedule with new productions, has gone out of its way to repackage old programs in a novel way. Adult Swim, its weekly three-hour block of "mature" cartoons, contains one hour of original Turner Broadcasting material sandwiched between two hours of shows originally aired elsewhere (*Cowboy Bebop*, *Home Movies*). Those original programs are often a mixed bag of repeats and the occasional new show (*The Brak Show*, *Space Ghost: Coast to Coast*). Whatever time is left consists of three shows containing high-

ly recycled animations, with *Sealab: 2021's* entire premise revolving around dubbing a show from 1972. Even commercials are incestuous, filled with ads for parent company AOL Time Warner.

Maybe you don't think highly of animation in general, and are not surprised that it would share quality standards with a show hosted by a *Talk Soup* reject. Well, you close-minded twit, take a look at prime-time networks. UPN's schedule reads like USA's will a decade down the road. Tuesdays' USA shows (*Buffy*, *Roswell*) are both WB castoffs, the lowest of the low. *Enterprise* on Wednesdays reveals the network's Paramount roots. Only Mondays seem at all original, and even its leadoff (*Hughleys*) was cut from ABC.

Let's not kick a network when it's down, though. NBC has been winning the Nielsen race for the season to date, but its strategy is on par with UPN's. Sundays feature *Law and Order: Criminal Intent*, part of a franchise. It is preceded by *The Weakest Link*, which is not only imported from Britain, but is essentially an attempt to counter *Who Wants to be A Mil-*

lionaire? The show *Emeril* is perhaps the most egregious example of non-news television feeding upon itself. Chef Lagasse stars on The Joey Bishop Show (now *there's* a switch), except that he retains his Food Network shows while on his sitcom. With all due respect to *Emeril*, the day when the highest-rated network is drawing from the ranks of cooking shows is a sad day indeed.

Although ABC is a distant third among The Big Three — a far cry from their WWII status ahead of Churchill and Stalin — it integrates parent company resources in the very manner most disturbing to critics of conglomerates. *The Wonderful World of Disney* not only brings specific films out of Anaheim to the nation,

but also acts as a promotional tool for other projects. Last weekend's airing of *The Emperor's New Groove* was buttressed by discussions of *Snow White and the Seven Dwarfs*, ostensibly on its historical impact but in reality highlighting the release of the movie on DVD. Similar synergy was exercised for the release of *Lady and the Tramp II*, where ABC actually showed the original film.

Last weekend's airing of The Emperor's New Groove was buttressed by discussions of Snow White and the Seven Dwarfs, ostensibly on its historical impact but in reality highlighting the release of the movie on DVD.

Saturday morning fare has been surrounded by crass commercialism for the past two decades, so it would be nothing exceptional to reveal any insidious relationships therein. Once ABC starts turning the family hour into a giant ad, it is a major change for the worse. Aside from the foreign imports of *Millionaire* and *Whose Line is it Anyway?*, ABC's prime time schedule seems the most original of all the networks. Does Michael Eisner want to avoid seeming too megalomaniacal by keeping Mickey Mouse and Co. out of the picture? Frankly, how long can the network keep holding back its own franchises while Rupert Murdoch gains from his own brand of animation? Would that really be a bad thing? Perhaps rehashing old hits (or misses) is giving people just what they've proved they wanted. If for every dozen *After-M*A*S*H*'s there's a *Frasier*, isn't the viewing public better off than if it had no Kelsey Grammer whatsoever?

As the the fiftieth anniversary of *I Love Lucy* passes them by, they should be careful to remember the spiraling decline in quality of Ms. Ball's subsequent projects. Leaving creativity and originality aside, even if it is a matter solely of entertaining the masses, it is obvious that the same ideas cannot entertain indefinitely. Any production resting on the shoulders of its predecessor will rely increasingly on its name over its content. Should that name itself be of questionable value, the end product will be all the more unpleasant.

THE ARTS



"You can prevent colon cancer, even beat it."

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MAKE THE TIME TO GET A TEST THAT COULD SAVE YOUR LIFE

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FILM REVIEW★★

Serendipity

Great Title, Bad Movie

By Amy Meadows

STAFF WRITER

Directed by Peter Chelsom.

Written by Mark Klein

Starring John Cusack, Kate Beckinsdale, Jeremy Piven, and Molly Shannon.

Rated PG-13.

Serendipity means a fortunate coincidence, such as when Jon (John Cusack) and Sara (Kate Beckinsdale) meet over gloves at Bloomingdale's. However, the next hour of the movie named after the encounter is anything but a lucky chance; in fact, I found it a rather unfortunate coincidence that I happened to be watching *Serendipity*.

In the first 20 minutes, Jon and Sara meet, fall in love, and — due to a twist of fate — are separated. Those 20 minutes could have been an entire movie in itself, and maybe a better movie than the entirety of this one. The rest of *Serendipity* consists of a flurry of near encounters with one another and failed attempts to reconcile themselves with the past and the present.

Even though Sara is a psychologist, the two protagonists are very maladjusted people. On the verge of committing to marriage, they both search high and low for the other, wondering what their life would be like if they

could just live like that night they met. Both characters lie to their fiancées and manipulate their best friends in order to have a shot at finding the other. In the real world, they would have to grow up and face reality at some point. Instead, the characters are driven to are selfish and shortsighted ends, to say the least. Life is simply much too short for the scenario here.

The movie continually emphasized the theme of fate and chance, and I, for one, do not enjoy a movie clobbering me over the head with the point. It wastes my time and it wastes the time of those who invested their talent in the movie. Cusack showed that he was capable of a romantic lead in *Grosse Pointe Blank*, but in this he is tremendously under-utilized.

We barely learn more about his character than we knew from the outset: he has a girlfriend and he likes Sara. Cusack certainly has come a long way from his bit part in *Sixteen Candles*, but I am not sure whether this was positive or negative progress. Although Beckinsdale has not had much of an opportunity to thoroughly showcase her abilities, but throughout the movie, she gives some small glimmers of hope that she could do more. Instead of being whimsical, frivolous, or dramatic, as her character suggests, she is an accessory, like the knock-off Prada wallet she carries. *Serendipity* does not fail from lack of

talent, but from talent's misuse.

I guessed the ending from about the first five minutes of the movie; it is certainly not a challenging conclusion to draw. Although the ending was entirely predictable, the rest of the movie could have been innovative or at least witty, but it falls in the rut of the well-traveled route. *Serendipity* is mindless, feel-good mush; even the names of the lead characters, Jon and Sara, are bland.

It is a rare distinction indeed to say that this romantic comedy is almost entirely joyless. The few moments of genuine comedy are provided by Jeremy Piven (*PCU*, *Ellen*). An obituary writer for the *New York Times*, he gives a hilarious toast to Jon and his fiancée, and provides enthusiastic support for all of Jon's half-cocked ideas, even flying all night to San Francisco. Molly Shannon, as Sara's best friend, is a cynical, realistic owner of a new-age store. She provides a needed balance to the movie, questioning and criticizing her best friend's actions.

Serendipity fails to put forth a compelling argument for its existence, and it shows. The plot buckles under the weight of forced coincidences and contrived acting. The theme of coincidence, the twists of fate stitching the leads together and rending them apart, the search for a soul mate have elsewhere been funnier, better, and more compelling.

6.270: Are you chicken?



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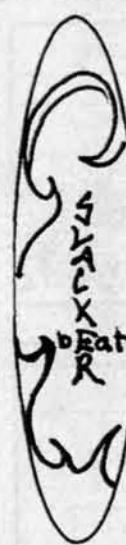
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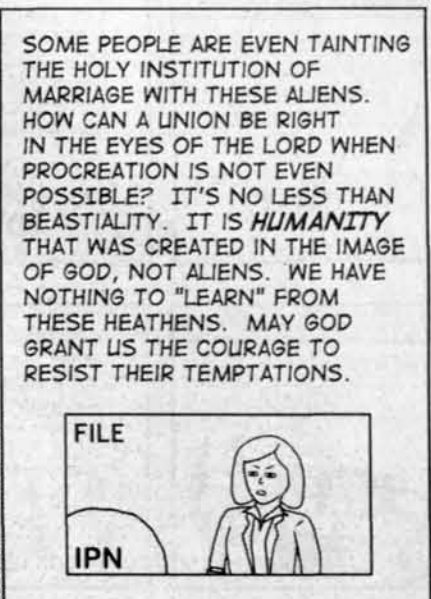
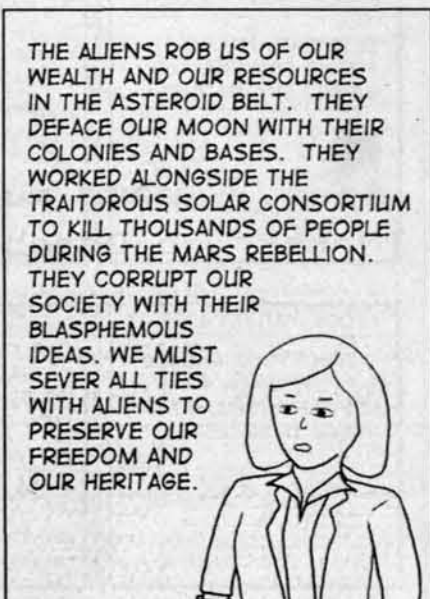
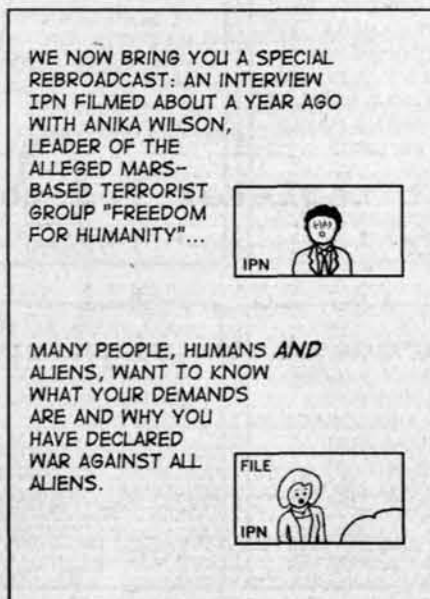
FUN PAGES

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mitsolar



MIT3K by Toastyhen "Voice of a Fanatic"



Review the MIT3K archives: <http://www.subjunctive.net/mit3k/>

V2N3

ONE SCREW LOOSE JOSE SUNG '03



[CONTINUED...]

Dilbert

Scott Adams

CATBERT: EVIL HR DIRECTOR

CONTRACTORS ARE NOT ALLOWED TO BREATHE COMPANY AIR, CARL.

THIS AIR IS FOR EMPLOYEES ONLY. YOU NEED TO SUPPLY YOUR OWN AIR.

MMB
BMF
RMN
HMR!

DOES ANYONE UNDERSTAND CARL?

HEY! HE'S USING OUR LIGHT!

CLONING THE BOSS

THERE'S A PROBLEM WITH YOUR CLONE.

WALLY SPILLED SODA ON THE DNA MODULE. YOUR CLONE IS ONE-HALF HORSE POSTERIOR.

AND ONE-HALF THAT ISN'T LIKE YOU.

CARL, YOU'RE ONLY A CONTRACTOR. YOU HAVE TO STOP USING COMPANY RESOURCES.

MMN
NPH
HBM
MRM!

YES, I KNOW YOU BRING YOUR OWN AIR, BUT YOU STILL USE OUR GRAVITY.

FBM
GMP
RKR!

IF IT'S NOT TOO MUCH TO ASK, COULD YOU HOVER?

I'M A CLONE OF YOUR BOSS?

THE PROCEDURE DIDN'T EXACTLY WORK. SO YOU'RE NOT SO MUCH A HUMAN BEING AS YOU ARE A...

GOD? KNICKKNACK.

YOU'VE GOT TO IMPLEMENT A SIX SIGMA PROGRAM OR ELSE YOU'RE DOOMED.

AREN'T YOU THE SAME CONSULTANT WHO SOLD US THE WORTHLESS TQM PROGRAM A FEW YEARS AGO?

I ASSURE YOU THAT THIS PROGRAM HAS A TOTALLY, TOTALLY DIFFERENT NAME.

WHEN CAN WE START?

I HAVE DISCOVERED THE CAUSE OF OUR NETWORK OUTAGES.

LAN

SOME IDIOT IS USING OUR NETWORK ROOM FOR MEETINGS AND UNPLUGGING THE SERVER BECAUSE IT'S TOO NOISY.

A SERVER IS LIKE A WAITRESS, RIGHT?

YEAH, A NOISY ONE.

SIX SIGMA CONSULTANT

EVERY COMPANY THAT USED MY SIX SIGMA PROGRAM INCREASED PROFITS.

...EXCEPT FOR THE ONES THAT WERE IN INDUSTRY DOWNTURNS...

...OR FLAT GROWTH INDUSTRIES...OR INDUSTRIES THAT ONLY UPTURNED A LITTLE BIT.

SIX SIGMA CONSULTANT

ALL OF YOU ARE SELFISH AND DIMWITTED BUT DON'T WORRY.

I'LL TEACH YOU A PROCESS THAT WILL BOG YOU DOWN IN MEETINGS SO YOU CAN'T HURT ANYTHING.

I CAN'T MOVE MY ARMS!

ZZZ ZZZ ZZZ

SIX SIGMA CONSULTANT

THE FIRST STEP IS TO IDENTIFY YOUR PROBLEMS.

WE DON'T HAVE ANY PROBLEMS. WHAT'S THE SECOND STEP?

MUST... CONTROL... FIST

I HOPE SOMEONE GIVES ME A BELT.

STOCK MARKET EXPERT

CLIP THIS MICROPHONE TO YOUR FUR. WE'RE LIVE IN TWO.

MAKE SURE MY TAIL IS OFF CAMERA. I'LL BE RECOMMENDING STOCKS I OWN AND THAT SORT OF THING MAKES ME WAG.

SOMEDAY I GOTTA GET HONEST WORK.

SIX SIGMA CONSULTANT

THE FIRST STEP IS TO IDENTIFY YOUR PROBLEMS.

WE DON'T HAVE ANY PROBLEMS. WHAT'S THE SECOND STEP?

MUST... CONTROL... FIST

I HOPE SOMEONE GIVES ME A BELT.

STOCK MARKET EXPERT

...EVERYONE SHOULD BUY STOCK IN THAT COMPANY. SELL YOUR HOUSE IF NECESSARY.

SHOULD WE WORRY THAT THE P/E IS 900, YOUR TRACK RECORD IS TERRIBLE AND YOU ONLY RECOMMEND STOCKS YOU OWN?

WELL, RON, AS YOU CAN SEE FROM THE ONE-WEEK CHART, THIS STOCK ONLY GOES UP.

BUY! BUY!

OUR CEO HAS VOLUNTARILY SLASHED HIS PAY FROM SIX MILLION PER YEAR TO FOUR.

IN A WRITTEN STATEMENT HE SAID HE WANTS TO "SHARE THE PAIN."

DO YOU FEEL BETTER NOW?

I MAKE MY OWN UNDERPANTS FROM SANDWICH BAGS.

STOCK MARKET EXPERT

IF YOUR CORE HOLDING IS A FALLING KNIFE, YOU CAN DOLLAR COST AVERAGE THROUGH THE DEAD CAT BOUNCE.

MY SECRET ECONOMIC MODEL SAYS YOU SHOULD CHANGE YOUR CASH ALLOCATION FROM 12.4% TO 12.3%.

MY NEW BOOK IS, "IF YOU AREN'T CHURNING, YOU AREN'T LEARNING."

DON'T COME BACK.

MAYBE I SHOULD BECOME A TEACHER SO I CAN EDUCATE THE LEADERS OF TOMORROW.

MAYBE YOU SHOULD EDUCATE THE MORONS OF TOMORROW SO THEY'LL STOP BELIEVING THE LEADERS OF TOMORROW.

MAYBE I'LL JUST EAT THIS DONUT AND GO TO WORK.

DO YOU HAVE ANY MORE DREAMS I CAN CRUSH?

WE NEED TO HAVE AN ALL-COMPANY MEETING TO TALK ABOUT THE LAYOFFS.

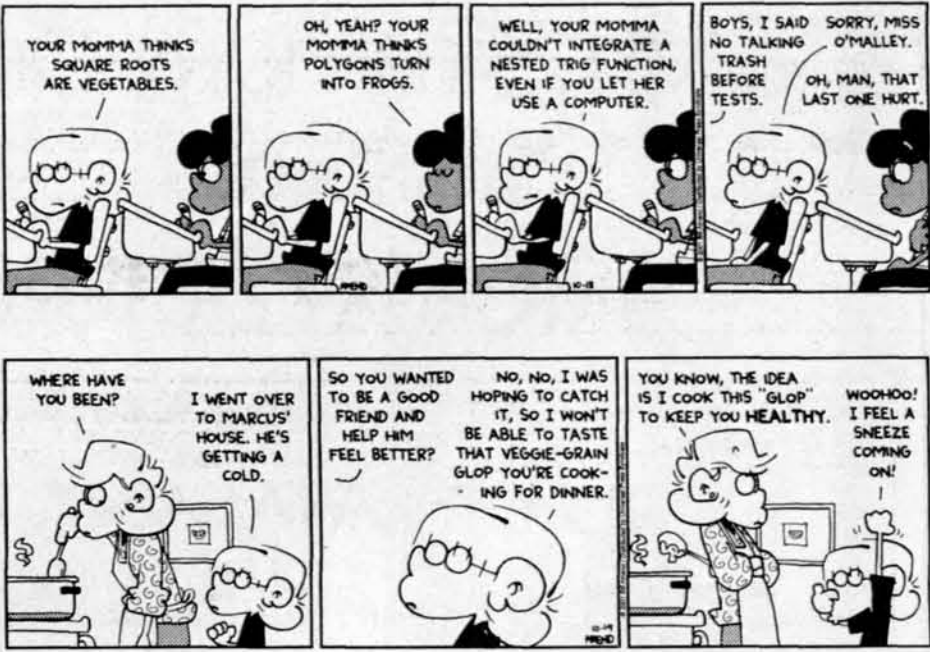
YOU MIGHT GET SOME HOSTILE QUESTIONS OWING TO THE FACT THAT THEY FOUND OUT ABOUT THE LAY-OFFS BY READING THE NEWSPAPER.

NO, I'VE NEVER NOTICED THAT I LEAVE A TRAIL OF REEKING SLIME WHEREVER I SLITHER.

FoxTrot

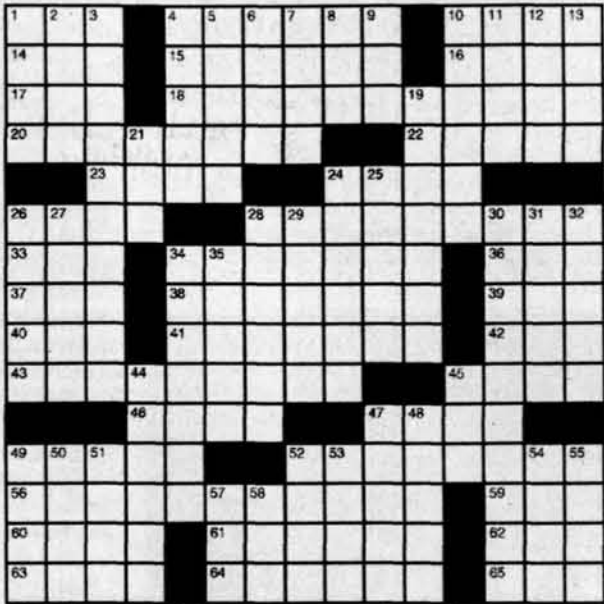


by Bill Amend



Crossword Puzzle

Solution, page 10



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ACROSS

- 1 Capp and Gore
- 4 Bushes
- 10 Insect snares
- 14 Fate
- 15 Restaurant employee
- 16 Rabbit's kin
- 17 Hole in one
- 18 Like a symbolic story
- 20 Tecumseh's tribe
- 22 Singer Merman
- 23 Some zoo homes
- 24 Patient to a doctor
- 26 Front of the calf
- 28 Bravery
- 33 Long period
- 34 Bravery
- 36 Sch. near Harvard
- 37 Recolor
- 38 Judge
- 39 Thurman of "Pulp Fiction"
- 40 Golfer Ernie
- 41 Is important

- 42 Chaney of "The Wolf Man"
- 43 Tried another arrangement of letters
- 45 Carom shot
- 46 Flower with hips
- 47 Casual talk
- 49 Vowels
- 52 Pungency
- 56 Inspected closely
- 59 Bauxite, e.g.
- 60 Periods
- 61 So far
- 62 Snare
- 63 "Charley's"
- 64 Long looks
- 65 Go on snow

DOWN

- 1 Worrier's word
- 2 Ness monster
- 3 Surety
- 4 '76 Super Bowl MVP Lynn

- 5 Barbara and Nathan
- 6 Stir up
- 7 Colorado tribe
- 8 Beseech
- 9 Overflow letters
- 10 Bleach
- 11 For one
- 12 Scottish hillside
- 13 Find a buyer
- 19 Those relaxing
- 21 Cyst
- 24 Covered with a thin layer
- 25 Boring tool
- 26 Passover meal
- 27 According to
- 28 Ingeniously simple
- 29 Banal
- 30 Imitations
- 31 "Biloxi Blues" playwright
- 32 Reeked

- 34 Emerged
- 35 Face-to-face exams
- 44 French writer Marcel
- 45 Naughty
- 47 Greek island
- 48 Goes underground
- 49 Cruising
- 50 Light brown
- 51 Persia, today
- 52 Radames' beloved
- 53 Russian ruler, once
- 54 "Star"
- 55 Abominable snowman
- 57 For what worth
- 58 "as a Stranger"

Events Calendar

Visit and add events to Events Calendar online at <http://events.mit.edu>

Friday, October 19

9:00 a.m. - 5:00 p.m. - **Family Weekend 2001.** Please join us for Family Weekend and witness, firsthand, the environment in which your student is living and learning and get a taste of what MIT is like when the campus is in full swing.. Room: MIT. Sponsor: Parents Association.

12:00 p.m. - 1:00 p.m. - **Orientation to Computing at MIT.** This seminar provides basic, non-technical information about the MIT computing environment. . free. Room: N42 Demo Center. Sponsor: Information Systems.

12:00 p.m. - 1:00 p.m. - **FDRL Seminar.** free. Sponsor: AeroAstro.

1:00 p.m. - 2:00 p.m. - **Test Stress Workshop.** Preparing for and taking exams can be overwhelming. Learn how to turn test stress into test confidence with these preparation techniques.. free. Room: W20-491. Sponsor: Learning Strategies.

3:00 p.m. - 4:00 p.m. - **Advances in the Control of Complex Chemical Systems.** Department of Chemical Engineering, University of Illinois, Urbana. free. Room: 66-110. Sponsor: Chemical Engineering.

3:00 p.m. - 4:00 p.m. - **Mechanical Engineering Seminar.** "Multi-Scalar Imaging in Turbulent Flames". free. Room: 3-133. Sponsor: ME Seminar Series.

4:15 p.m. - 5:15 p.m. - **Catalan paths and Quasi-Symmetric Functions.** Refreshments will be served at 3:30 PM in Room 2-349. free. Room: Room 2-338. Sponsor: Combinatorics Seminar. Department of Mathematics.

4:30 p.m. - 5:30 p.m. - **General Electric R&D in India.** A presentation by Dr. Jean Heuschen, Vice President and Director of General Electric's R&D center in Bangalore, India.. free. Sponsor: MIT India Program.

4:30 p.m. - 7:30 p.m. - **GE Talk.** The largest such establishment in India, the JFWTC fosters projects ranging from polymer chemistry to mechanical engineering design to information technology. This is the biggest research commitment by any American firm in India. . free. Room: E51-151 (Tang Bldg.). Sponsor: MIT Japan Program.

5:30 p.m. - 7:30 p.m. - **Yes Yoko Ono Opening Reception.** First major US retrospective of works by Yoko Ono, one of the early participants in the international Fluvus movement. This exhibition surveys her career from the 1960s to the present with films, videos, artist's books, installations and instructional pieces. Organized by Alexandra Munroe and Jon Hendricks for the Japan Society Gallery.. free. Room: List Visual Arts Center (E15). Sponsor: List Visual Arts Center.

6:00 p.m. - 7:30 p.m. - **How to Have a Daily Quiet Time.** Lou Soiles will talk about how to have a daily quite time. The talk will be followed by dinner.. free. Room: West Lounge, Student Center. Sponsor: Graduate Christian Fellowship.

7:00 p.m. - 9:00 p.m. - **Falun Gong Exercise workshop.** The Falun Gong exercise is an easy and effective way to relieve stress and improve physical and mental health. Millions of people in over 40 countries practice these 5 sets of gentle movements.. free. Room: 1-242. Sponsor: Falun Dafa Club.

7:00 p.m. - **MIT Anime Club Weekly Screening.** Trigun; Dual! (eps 7-8); feature TBA. Most screenings are subtitled in English. Japanese animation is a unique visual artform for all ages.. free. Room: Rm 6-120. Sponsor: MIT Anime Club.

8:00 p.m. - **Family Weekend Concert: An Evening of Humorous Music.** MIT Wind Ensemble, Festival Jazz Ensemble (Frederick Harris, music director) and the MIT Chamber Chorus (William Cutter, music director) perform music by PDQ Bach, Ives' Variations on "America"; Jacob's "Old Wine in New Bottles"; Dvorak's Slavonic Dance No. 7; Percussion and Brass Ensemble pieces, and also jazz works by Parker and Monk. free. Room: Kresge Auditorium. Sponsor: Music and Theater Arts Section.

9:00 p.m. - **Potluck Performance Art Party.** AKA show+tell. Bring video, poetry, slides, anything to read, show, perform and/or consume. If you bring something to perform or consume, you get in for free.. \$4 donation requested for selected charity. Room: N52-115. Sponsor: MIT Electronic Research Society.

Saturday, October 20

9:00 a.m. - 5:00 p.m. - **Family Weekend 2001.** Please join us for Family Weekend and witness, firsthand, the environment in which your student is living and learning and get a taste of what MIT is like when the campus is in full swing.. Room: MIT. Sponsor: Parents Association.

12:00 p.m. - 6:00 p.m. - **Yes Yoko Ono.** First major US retrospective of works by Yoko Ono, one of the early participants in the international Fluvus movement. This exhibition surveys her career from the 1960s to the present with films, videos, artist's books, installations and instructional pieces. Organized by Alexandra Munroe and Jon Hendricks for the Japan Society Gallery.. free. Room: List Visual Arts Center (E15). Sponsor: List Visual Arts Center.

1:00 p.m. - **Field Hockey vs. Wellesley.** free. Room: Barry Turf Field. Sponsor: Department of Athletics.

1:00 p.m. - **Men's Soccer vs. Clark.** free. Room: Steinbrenner. Sponsor: Department of Athletics.

2:30 p.m. - 3:30 p.m. - **Lecture with Yoko Ono—SOLD OUT.** The artist talks about Yes Yoko Ono, her first major US retrospective. Yoko Ono is one of the early participants in the international Fluvus movement. This exhibition surveys her career from the 1960s to the present with films, videos, artist's books, installations and instructional pieces. Organized by Alexandra Munroe and Jon Hendricks for the Japan Society Gallery.. free.

Room: Bartos Theater. Sponsor: List Visual Arts Center.

8:00 p.m. - 11:00 p.m. - **Patrol.** Shoot your friends! Travel to strange, new classrooms; meet interesting, unusual people; and kill them. A team game of shoot-em-up; guns provided.. free. Room: Building 36, First Floor. Sponsor: Assassins' Guild, MIT.

8:00 p.m. - **MIT Symphony Orchestra.** Dante Anzolini, music director. Britten's Simple Symphony; Gandini's E. Sara; Bartók's Miraculous Mandarin. \$3 at the door. Room: Kresge Auditorium. Sponsor: Music and Theater Arts Section.

Sunday, October 21

9:00 a.m. - 5:00 p.m. - **Family Weekend 2001.** Please join us for Family Weekend and witness, firsthand, the environment in which your student is living and learning and get a taste of what MIT is like when the campus is in full swing.. Room: MIT. Sponsor: Parents Association.

9:00 a.m. - 2:00 p.m. - **MIT Swapfest.** Buy/Sell/Swap All Things High Tech. \$5. Room: Albany St. Garage. Sponsor: MIT Radio Society.

12:00 p.m. - 6:00 p.m. - **Yes Yoko Ono.** First major US retrospective of works by Yoko Ono, one of the early participants in the international Fluvus movement. This exhibition surveys her career from the 1960s to the present with films, videos, artist's books, installations and instructional pieces. Organized by Alexandra Munroe and Jon Hendricks for the Japan Society Gallery.. free. Room: List Visual Arts Center (E15). Sponsor: List Visual Arts Center.

1:00 p.m. - 5:30 p.m. - **Ballroom Dancing Workshops.** Beginner ballroom dance steps will be taught. There will also be a new focus on developing techniques as well. Open to everyone. No experiences necessary. No partners required.. Visit our website for pricings. Room: Visit our website for venues. Sponsor: Ballroom Dance Club.

3:00 p.m. - **Linda Tillery and the Cultural Heritage Choir.** San Francisco composer, singer, musicologist and Grammy-nominee Linda Tillery and the all-women a cappella ensemble, Cultural Heritage Choir, perform African-American roots music — ranging from slave songs to contemporary African American vocal music and jazz — for the whole family. Music includes field hollers, moans, shouts, playsongs and folk spirituals, performed with sticks, stones and tapping feet for accompaniment.. \$15, \$5 MIT students. Room: Kresge Auditorium. Sponsor: President's Office; Associate Provost for the Arts; Women's Studies Program; Center for the Study of Diversity in Science, Technology and Medicine; Affirmative Action, Equal Opportunity and Diversity Program Office.

Monday, October 22

12:00 p.m. - **Arts Colloquium.** All MIT faculty and arts staff are invited to hear Bill Arning, curator of the List Visual Arts Center, speak on his work at 12noon. Lunch will be served; reservations required. For more information, contact Laura Moses by Oct 17. One in a series of arts colloquia organized by Associate Provost for the Arts Alan Brody. . free. Sponsor: Associate Provost for the Arts.

12:00 p.m. - 1:00 p.m. - **WINPartners.** he WinPartners is a group of Windows workstation users and administrators who have banded together to support each other in the use of Windows. WinPartners share their experiences, ask and answer questions, solve problems, discuss hot topics, and warn each other of pitfalls. Any Windows user at any level of expertise and experience is welcome to join the group and attend meetings. . free. Room: N42 Demo Center. Sponsor: Information Systems.

3:00 p.m. - 4:00 p.m. - **"Spin Manifolds, Einstein metrics, and Differential Topology."** Note the starting time has changed for this day's Seminar.. free. Room: MIT Room 2-143. Sponsor: Differential Geometry Seminar. Department of Mathematics.

4:00 p.m. - 6:00 p.m. - **STS Colloquium.** "Hydrology as Myth and Science: The American Experience". free. Room: E51-095. Sponsor: STS.

4:00 p.m. - 5:00 p.m. - **EECS Colloquium Series.** Distance Learning: Past, Present and Futures. free. Room: 34-401 (Edgerton Hall). Sponsor: EECS.

4:00 p.m. - 5:00 p.m. - **Continuum Seminar Series: Seminar moved to November 19.** Room: seminar date changed. Sponsor: Mechanical Engineering Dept..

7:30 p.m. - 8:30 p.m. - **Test-Taking Strategies.** Learn the mechanics of taking tests at MIT, including how to prepare for tests and how to approach specific types of problems.. free. Room: Talbot Lounge, East Campus. Sponsor: Learning Strategies.

8:00 p.m. - 12:00 a.m. - **Monday Night Football at the Ear.** Watching football at the Ear makes Dennis Miller a little more tolerable. The Thirsty Ear Pub is located in the Ashdown House basement. Enter through the courtyard. Hours: Monday: 8 p.m. - 12 a.m., Tuesday - Thursday: 7 p.m. - 1 a.m., Friday: 4 p.m. - 1 a.m. Must be over 21. Proper ID required. Free. Room: The Thirsty Ear Pub. Sponsor: The Thirsty Ear Pub.

MIT SYMPHONY ORCHESTRA

DANTE ANZOLINI, CONDUCTOR

SATURDAY OCTOBER 20, 8 PM

KRESGE AUDITORIUM

TICKETS AVAILABLE IN LOBBY 10

BELA BARTOK - MIRACULOUS MANDARIN

GERARDO GANDINI - E SARA

GUISEPPE MARTUCCI - NOTTURNO

GUISEPPE VERDI - TRAVIATA PRELUDE

IGOR STRAVINSKY - FIREWORKS

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Low Cost
Housing
At Issue

City Council, from Page 1

affordable residential neighborhoods.

"Cambridge is a desirable place to live," Iskowitz said. "The city hasn't really done anything to prevent the [housing] crisis."

Jens, on the other hand, disagrees with changing the zoning laws. "Cambridge is Cambridge because of MIT and Harvard," he said. Instead, Jens believes that the main cause of the shortage of affordable housing is the influx of people who want to live in Cambridge.

"I think housing prices could be eased if we allowed development," Jens said. "Expanding the supply would allow things to be more affordable."

In addition to City Councillor elections, the Community Preservation Act, a measure to develop affordable housing in the city, will be on Cambridge voters' ballots next month.

Many candidates hope that the Community Preservation Act, if passed, will help alleviate the Cambridge housing crunch. Council incumbent Henrietta Davis said that the act would provide \$5 million in state funding to develop affordable housing in Cambridge. The money would also be used to preserve open spaces and historical buildings.

"We need to support CPA because that could give us \$5 million from the state," Davis said.

An issue which is also on several candidates' platforms is the expansion of the Massachusetts Bay Transportation Authority system in Cambridge. The MBTA is a state-funded agency governed by a board consisting of representatives from the areas served by the MBTA, including Cambridge.

Iskovitz said Cambridge should add more of its own local routes to the system. He also encourages Cambridge citizens to use cars less for environmental and health reasons.

"All over the city, you get the feeling that Cambridge is for drivers," Iskowitz said.

Jens would like to see more MBTA service in Cambridge as well. He thinks that the subway, which currently closes at midnight, should close after bars and clubs shut down on weekends.

Other relevant issues include lowering the voting age in Cambridge to 16, making Memorial Drive safer for pedestrians, and expanding the system of bike lanes.

"Students should vote because all these specific issues are important to our lives," said David J. Strozzi G, a member of the MIT Greens. "Democracy had to be fought for because it is not automatic or inherent."

The Cambridge City Council consists of nine elected officials, who elect a mayor from among themselves. The main duties of the mayor include presiding over city council meetings and acting as the chairperson of the school committee. The council also appoints the city manager, who handles the daily operations of the city.

Solution to Crossword

from page 9

A	L	S		S	H	R	U	B	S		W	E	B	S	
L	O	T		W	A	I	T	E	R		H	A	R	E	
A	C	E		A	L	L	E	G	O	R	I	C	A	L	
S	H	A	W	N	E	E	S				E	T	H	E	L
				D	E	N	S			C	A	S	E		
S	H	I	N					S	T	O	U	T	N	E	S
E	O	N		C	O	U	R	A	G	E		M	I	T	
D	Y	E		A	R	B	I	T	E	R		U	M	A	
E	L	S		M	A	T	T	E	R	S		L	O	N	
R	E	S	P	E	L	L	E	D			B	A	N	K	
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A	E	I	O					A	C	R	I	D	I	T	Y
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E	R	A	S		T	O	D	A	T	E		N	E	T	
A	U	N	T		S	T	A	R	E	S		S	K	I	



Adam G. Unikowsky '03 (L) and Patrick J. Nichols '03 placed first in the Harvard University Debate Tournament on October 5-6.

Victory Unexpected

Debate, from Page 1

ment in the debate, whose style emulates that of the British Parliament. As government, the team puts forth the topic to be debated and has the burden of proof. Unikowsky said that this is often seen as a disadvantage.

Before an audience of 200, MIT Flippant presented a case in the final round which asked whether or not a newly formed religion would benefit from having a leader.

Although 12 of the 13 judges voted for Nichols and Unikowsky over Stanford University's Team A, Unikowsky and Nichols knew that they had won before they received the verdict. "The audience cheered a lot louder for our points than for theirs, so we basically knew during the round that we had won," Unikowsky said.

"It was great to pick up the trophy," said Nichols, "especially since we weren't one of the well recognized teams going into the tournament."

Team has unusual background

"The vast majority of our competitors are pre-law and we're all computer science or physics majors," Nichols said. "It's gratifying for us to know that even though we're not studying constitutional law we can still be competitive."

In the American Parliamentary Debate Association's biggest tournament of the year, MIT was the only technical school in the entire field, which includes all of the Ivy League, as well as top west coast schools such as Stanford and sometimes schools from Canada. "The fact that MIT, the lone technical school, is able to perform against people who do this as their major is very impressive," Larochelle said.

A further disadvantage arises from the nature of the cases. Nichols said that scientific cases are never run because their subject is usually too specific. "We're usually competing on their turf," he said.

Flippant forced to think on feet

In two of the final three rounds, the cases put forth by MIT were invented just minutes before the

rounds, as they ran out of prepared cases after the quarterfinal round. "We had talked about the ideas for the last two cases a little bit, but most of the planning was done in the fifteen minutes before the round," Unikowsky said.

"You become really proficient at impromptu speaking," Nichols said.

Nichols never debated before coming to college, and Unikowsky only had one year of experience prior to joining MIT's team.

Going in to the tournament, expectations were not quite as high as the final results. "We really had no chance of winning," Unikowsky said. "Our goal was to be in the top fifteen."

MIT Flippant was not the only MIT showing in the final rounds. Krishnan and Larochelle finished 7th overall and MIT had four of the top ten individual speaker scores (individual scores awarded during debates to each competitor). Larochelle finished fourth, Nichols eighth, Krishnan ninth, and Unikowsky tenth.

Neither Nichols or Unikowsky felt pressure to perform. "Before we weren't really looked on as one of the top schools," Nichols said. "We've improved a lot in the past few years."

Victory boosts national standing

As a result of their victory, MIT Flippant was ranked as the number one team in the nation last week. Because they did not attend tournaments this past weekend, they are now number three. Last year, MIT A, which consisted of Amit Roy '01 and Krishnan, placed tenth.

Because the Harvard tournament is so big, some see it as a projection of nationals. "It's about as big a tournament as things get," Nichols said. "It will be the same field at nationals."

Upcoming tournaments that the team will attend include Columbia, Brown, and Brandeis. These tournaments, though not quite as large, will be worth the same number of points for national standing, and will include many of the same top competitors who attended the Harvard tournament. "Hopefully they won't want revenge," Nichols said.

Vaccine Readiness Questioned

Bioterrorism, from Page 1

which induces the creation of antibodies against the anthrax toxin. The vaccine is an injection of large amounts of PA, which the body then learns to treat as a foreign invader, developing the proper antibody against PA. These antibodies alter PA such that it will no longer be able to bind the cell membrane, subsequently blocking the path for the fatal proteins.

Vaccine readiness in question

An antibody sounds simple enough to create, right? After all, they've been made for everything from the common cold to Alzheimer's Disease. Unfortunately, there are a limited number of anthrax vaccines in existence for many reasons. Foremost, "the demand has been quite low outside the military since now," said David Schauer, an assistant professor of Bioengineering at MIT.

However, he said that vaccines can't be produced by just any lab. "While they are gearing up production efforts now, there won't be many groups able to produce a safe vaccine. There aren't good systems to test the efficacy of the vaccine, which most likely would have to be done in animals and requires great safety."

The vaccine is produced by only one company, called Bioport, which

duction, but is not at liberty to explain the reasons used and methods employed for the accelerated program.

Large scale attack implausible

While anthrax has grown a reputation for being as the world's worst threat since the atom bomb, scientists would argue otherwise. Anthrax is not contagious, which eliminates the possibility of secondary casualties. It also does not kill instantly, allowing the infected to be treated and saved. Also, development of an anthrax aerosol that could infect a large number of people has never been effective. "A much more technologically advanced terrorist group in Japan attempted to develop an anthrax aerosol and use it in a subway, but there were no fatalities," Schauer said.

The inherent problems with effectiveness might make Anthrax a bad choice for a weapon. However, it is a terrorist favorite due to the ease with which it can be produced.

The first protein, "Protective Antigen," is not harmful in itself, but serves as the delivery molecule for two deadly proteins, known as "Lethal Factor" and "Edema Factor."

Smallpox also concern

Smallpox has been dubbed the second largest bioterror concern today. The Center for Disease Control signed a contract with Acambis in late September to recreate a 40 million dose stockpile of the smallpox vaccine. During the 1970s, organizations successfully "eradicated" the disease, though strains were left in laboratories around the world, which concerns many experts.

The United States had scheduled to destroy all of its remaining strains of smallpox in the near future, though that may change. Lyndsay Wright, spokeswoman for Acambis, said that the company has accelerated their program for vaccine pro-

duction of Defense to create a sensor network which could detect any form of biochemical agent. Griffith was unable to comment on the matter.

Modern day biological weapons have severe limitations, which comes as a great relief to all. "The only substantial thing that [biological agents] will be able to do is unnecessarily scare the populace," said Schauer.

Anthrax's uses

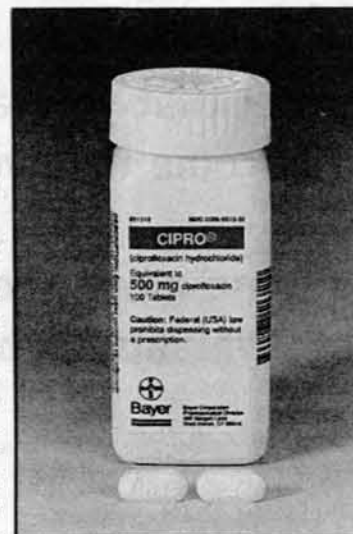
To some scientists, anthrax is not seen as just a threat, but instead may be a tool. Specifically Starnbach, in conjunction with his colleague R. John Collier at Harvard Medical School, has furthered the science of immunology

with their research on anthrax's method of transmission. "We are interested in using anthrax as delivery system because of the uniqueness with which PA can deliver components inside the cell," said Starnbach. "The challenge [in medicine] is not to get the vaccine protein into the body but getting it into the cell so it can stimulate Memory T cells which can be activated upon actual exposure to the disease." Some scientists have experimented with other methods to ensure that the proteins enter the cell, but have come across high safety risks. Collier and Starnbach, however, have combined proteins from anthrax with proteins from other viruses and bacteria against which they wish to immunize.

The PA protein guarantees that these proteins will enter the cytoplasm and induce memory T cells to create antibodies. "We do not work with the anthrax bacteria itself ... we are working with fragments of DNA housed in *E. Coli*," said Starnbach, discussing the procedure's safety. The team has already produced results with a vaccine

against *Listeria Monocytogenes*, a bacteria that causes meningitis. They are also attempting to develop an HIV vaccine with the same method. This vaccine delivery technique is licensed by

Avant Immunotherapeutics, who are working with Harvard Medical to develop the technology commercially.



The vaccine is produced by only one company, called Bioport, which has not been able to produce the amount of vaccine for which they were contracted.

While there will always be a threat that a recombinant strain of a disease will be used as a weapon, Linda G. Griffith, an associate professor of Bioengineering at MIT, has worked with the Depart-



The Thirsty Ear Pub

Must Be Over 21. Proper ID Required.
The Thirsty Ear Pub is available for private parties.
Ask for details at the bar, or send email to ear-info@mit.edu

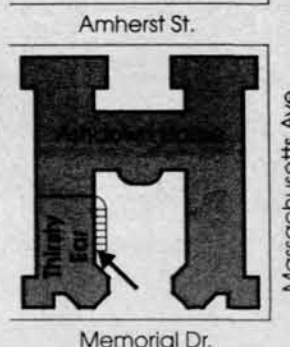
The Thirsty Ear Guy Says:

"Watching football at the Ear makes Dennis Miller a little more tolerable."

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Tuesday - Thursday: 7 pm - 1 am
Friday: 4 pm - 1 am



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MIT's Undergraduate Research Opportunities Program

Are you interested in starting a UROP?

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Want to learn more about UROP and gain some valuable lab experience?

If you answered yes to any of these questions, then UROP's IAP Research Mentor Program may be for you. Any undergraduate who has never participated in a UROP is eligible to apply; however, preference is granted to freshmen applicants.

Since the inception of the IAP Research Mentor Program (IRMP) in 1993, undergraduates whom lack research experience (pre-UROPers) are linked with upper-class experienced UROPers (Research Mentors) to work on a part-time basis throughout the month of January. Students are matched according to their interests and desired research area.

Why pre-UROP? Experience. As a pre-UROPer you will satisfy safety requirements and gain practical hands-on experience in an area of interest, while learning important lab skills and techniques. The program also affords the opportunity to make connections with an upperclassman, MIT faculty, graduate students, research staff, etc. This may be your chance to see what it is like to be a member of a research team. Pre-UROPers are not eligible for pay or credit during IAP, but are given priority for direct funding from the UROP office if/when invited to join a UROP project.

On-line applications are available at <http://web.mit.edu/urop/preuopapp.html>. For more information or additional applications for your friends, please see the Research Mentor Program page located on-line at <http://web.mit.edu/urop/mentor.html> or contact Melissa Martin at x3-3002 or <melmart@mit.edu>.

Vest Announces New Security Task Force

Task Force To Assess Risks Faced by MIT

By Shirali Pandya

In response to the terrorist attacks of September 11, President Charles M. Vest announced the formation of a new Task Force on Campus Security.

In a press release issued on October 9, Vest said that the task force would "assist us in setting policy and planning for heightened security and safety for the immediate and longer-term future."

The task force, chaired by Executive Vice President John R. Curry, will look at the potential risks that the Institute faces, assess these risks, and develop a priority list for how to deal with them. Its focuses will be the physical safety of people at MIT and the flow information.

An initial report, outlining the major issues at hand and suggesting safety measures, will be presented to Vest by mid-November, according to his press release.

Group uses several strategies

The task force has adopted a three-prong approach for campus security. One subcommittee, headed by Vice President and Dean for Research J. David Litster, is looking at biological, chemical, and nuclear hazards. Director of Public Safety Anne P. Glavin is in charge of the subcommittee overseeing access and openness of the campus, and Robert P. Redwine, Dean for Undergraduate Education, chairs the subcommittee about information policy and privacy issues.

Anthrax scares alert task force

Recent anthrax scares have alerted many to the threat of biological materials on campus. On Tuesday, a lecturer in Foreign Languages and Literature in Building 14E reported an envelope containing a white substance to the police. The Biological Safety Team and Campus Police arrived at the scene and quartered off and decontaminated the surrounding area. The contaminated items were then bagged and taken to the Massachusetts State Laboratory for anthrax tests, Curry said.

So far, Curry reports that of the two items tested, both tested negative. In the past week, four cases of such mail-related substances have been reported, but none have been confirmed to be anthrax.

Tuesday's incident has brought the issue of biohazard threats to the forefront. Curry said that the task force has sent out a briefing about what to look for, how to handle mail, where to get latex gloves, and details about anthrax.

Curry admits that Tuesday's procedures were "not well orchestrated" and that "clear protocols for such a situation" need to be defined. For this purpose, Litster's subcommittee is arranging training sessions to plan coordination between the Biological Safety Team, the Campus Police, and the Cambridge Fire Department.

MIT to limit vehicle access

In his broad plan for campus safety, Curry said that MIT may be "the most permeable campus" he has seen. With many entrances facing city streets and "virtually no control points," there is reason for concern. It is quite possible, he said, for a truck to cut across campus without being stopped.

Glavin's subcommittee is investigating the vehicular access of the campus, and implementing security measures for protection. Some procedures are already in place, such as increased checking of permits in parking lots. Fire lanes, which are often used for shortcuts through campus, will be blocked off, and bollards, jersey barriers, and gates with card access will be installed at other key points. Curry hopes that with these precautions, MIT will be "less open to those we might want to stop and check."

Another major issue at this time is that of privacy and the release of

Redwine affirms privacy policy

Another major issue at this time is that of privacy and the release of

Executive Vice President John R. Curry said that MIT may be "the most permeable campus" he has seen.

information. Redwine's committee is focusing on "how MIT will respond to requests for information about students, faculty, staff and others in our community, by law enforcement and other government agencies or the media."

"We affirm that [the Institute's privacy policies] are as right today as they were in the past," Redwine said. "The policies that have historically been in place are quite appropriate for our circumstances." These old policies maintain that the personal information of someone in the MIT community will not be disclosed outside of MIT without individual consent, or in the case of health or security emergency. Any information other than basic personnel information will not be released in the case of a court order or subpoena.

Student perspectives differ

Among the student population, there are mixed feelings about the likelihood of an attack on the institution. Some, such as Christina T. Fuentes '05, admit to being concerned about their safety. "Being at MIT, one of the centers of technology and research, I feel more at risk than if I were at any another university in the country," Fuentes said.

Others, such as Joshua P. Aronson '04, "feel pretty secure here" and "don't see MIT being a target."

For Raymond Raad '04, the promptness with which Tuesday's anthrax incident was dealt with is a sign that the institution is well prepared for any situation. "The fact

that MIT responded so quickly and so well kept me at ease," Raad said.

With heightened security, the Task Force now faces the important issue of personal privacy and has created a subcommittee to oversee this subject.

Undergraduate Association president Jamie E. Devereaux '02 sees this as a positive indication that the institution is concerned with the issue "That this subcommittee has been established to look specifically at what would be appropriate for MIT indicates that the Institute takes the issue of privacy very seriously and is not bowing to outside pressure to disclose unnecessary information," Devereaux said.

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NEWBURY COMICS

Chomsky Criticizes Policies

Chomsky, from Page 1

addressed the issue of definition of terrorism.

"Nicaragua took the case to several courts, but the U.S. simply dismissed all the verdicts," he said. "This is a good evidence that the world is ruled by force."

He added that this is sadly the culture in which we live, one in which violence works. "Terrorism is not a weapon of the weak, it's a weapon for those who are against us, whoever 'us' might be."

Chomsky said the U.S. government is unable to accept most of the currently existing definitions for terrorism because the consequences would be unacceptable; many of the policies maintained by the United States would fall into that category, he said.

When challenged by a member of the audience about blaming America for what is happening in Afghanistan, he answered, "I am blaming you and me, because we are the people who can do something about it, not an entity called America." These comments were greatly praised by the audiences' applause.

Pointing out that no convincing evidence has been presented to the public, he said, "there is a possibility that Osama bin Laden was not involved at all. In fact, this is not that illogical at all if we think about how a person in a cave in Afghanistan without any equipment could organize such a complicated series of operations."

When asked by a member of audience whether he thought the Taliban's offer to hand bin Laden to a third country was a ruse, he said, "Certainly American government doesn't think it's a ruse if they are refusing it!"

Chomsky pointed out that although most of the people in the Middle East and Islamic countries strongly disagree with Bin Laden's terrorist actions, they certainly recognize and agree with some of his reasons for hating the United States. "They see America responsible for the death of thousands of Iraqis, for the suffering of Palestinians and for the policies which prevent economic development in these countries," he said.

He added that the view given to the public is completely different. "We are hated because we are the champions of capitalism, individualism and democracy, notions that should become natural everywhere," Chomsky said.

Discussing the policy options to attack the problem, Chomsky suggested that the reasons for such actions need to be investigated and dealt with appropriately.

"You need evidence for accusing anybody, even Osama bin Laden, and that's what Taliban has been asking for before they can hand him over."

"The only way we can put a permanent end to terrorism is to stop participating in it," he said.



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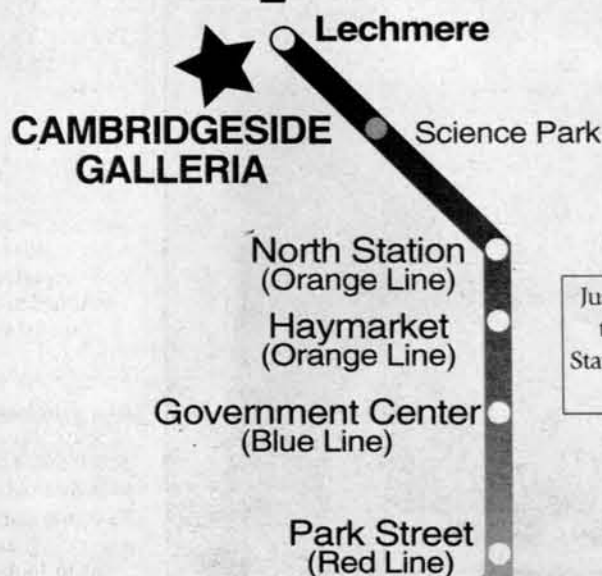
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Judicial Board to Hear *Tech* Appeal of ASA Sanction

By Harold Fox
STAFF REPORTER

A joint Undergraduate Association/ Graduate Student Council judicial board will hear *The Tech's* appeal of the Association of Student Activities' decision to revoke part of *The Tech's* office space.

In late August, the ASA Executive Board sanctioned *The Tech* for including repeated recruiting advertisements in its publications prior to the Activities Midway. *The Tech* has filed an appeal to the new Undergraduate Association/ Graduate Student Council judicial board.

"Basically, *The Tech* continued

to violate the rush rules," said ASA President Alvar Saenz-Otero G. "We had to do something. Violations just can't go without the enforcement of the rules." ASA regulations stipulate that member student organizations cannot recruit new members between August 15 and the Activities Midway.

The Tech has appealed to the UA/ GSC judicial board, which was recently created for the express purpose of hearing appeals of ASA decisions.

"The ASA has these rules," said UA President Jaime E. Devereaux '02. "When there is one body that

sets the rules and has the ability to determine the sanction, it becomes a problem."

Jordan Rubin '02, chairman of *The Tech*, agrees that the judicial board is strongly needed. "We were tried without even knowing there was a trial," Rubin said. "They are supposed to aid student groups. In this situation, they are singling out *The Tech* to try to prove that their rules have an enforcement mechanism behind them."

Judicial board hastily assembled

The heavy sanction against *The Tech* was unprecedented, and it cat-

alyzed the formation of the joint judicial board.

"We were planning to create an appeals process ... toward the end of last year," Devereaux said. However, nothing had yet materialized by the time of the contested ASA ruling.

"Because we weren't prepared to handle the case, we had to delay [the appeal process], because we wanted to do it right," Devereaux said.

"The appeals process is in its infancy," Rubin said. "There are aspects of the appeals process which are unclear. For example, *The Tech* is supposed to provide the [judicial] board with a list of witnesses, but we don't have a date for the hearing. It's difficult to get witnesses for a date that doesn't exist."

The board consists of three members of the UA's judicial committee and three from the GSC's. *The Tech* and the ASA have each submitted all the evidence they want considered. The board has yet to review the evidence and to make a final decision.

"I hope that we can resolve this as quickly as possible," said judicial board member H. Sanith Wijesinghe G. "I hope that it will be finished by IAP, but I can't really give a time frame."

Meanwhile, Rubin is confident *The Tech* will win the appeal. "I think our likelihood of success is

high, mainly because the evidence is really against the ASA," he said.

Advertisements lead to sanctions

On August 21, *The Tech* placed a full page ad on its back page that encouraged students to join. On Wednesday, August 22, Saenz-Otero told Rubin to cease publishing ads encouraging students to join *The Tech*. This warning was formally presented in an e-mail on Friday, August 24.

In the e-mail, the ASA said that *The Tech* could run recruiting ads on its inside pages during orientation in order to fill space. It explicitly forbade *The Tech* from running ads on the front and back pages, and also prohibited full-page and full-color ads. By the time Saenz-Otero sent the e-mail, *The Tech* had gone to press with a half-page recruitment ad on its back page.

"We never ran a full-page ad after Wednesday," Rubin said.

The ASA Executive Committee then met, and decided to impose sanctions immediately.

The initial ruling was to ban *The Tech* from the Activities Midway. The newspaper appealed this penalty, and the board instead decided to reallocate a portion of *The Tech's* office space on the fourth floor of the Student Center. If the appeal is denied, *The Tech* will lose room 477, currently its business office, after the Independent Activities Period.

To the MIT Student Body:

The Council for the Arts at MIT is still sponsoring a free ticket program in conjunction with the Boston Symphony Orchestra.

However, the BSO changed the method of ticket distribution this year, introducing the "College Card" which allows MIT students a chance at free tickets to a specific number of concerts, the first of which is on October 26.

The BSO Sent us 1,050 "College Cards" which were immediately snapped up at our booth at Lobby 10.

We are currently talking with the BSO to resolve the problem of ticket access for the remainder of the student body.

We will let you know the solution as soon as we have one, through an ad in the Tech, flyers, and e-mail announcements. Send me a message if you would like to be contacted directly.

Thank you for your patience.

All my best,

Susan Cohen

Director, Council for the Arts at MIT
cohen@media.mit.edu

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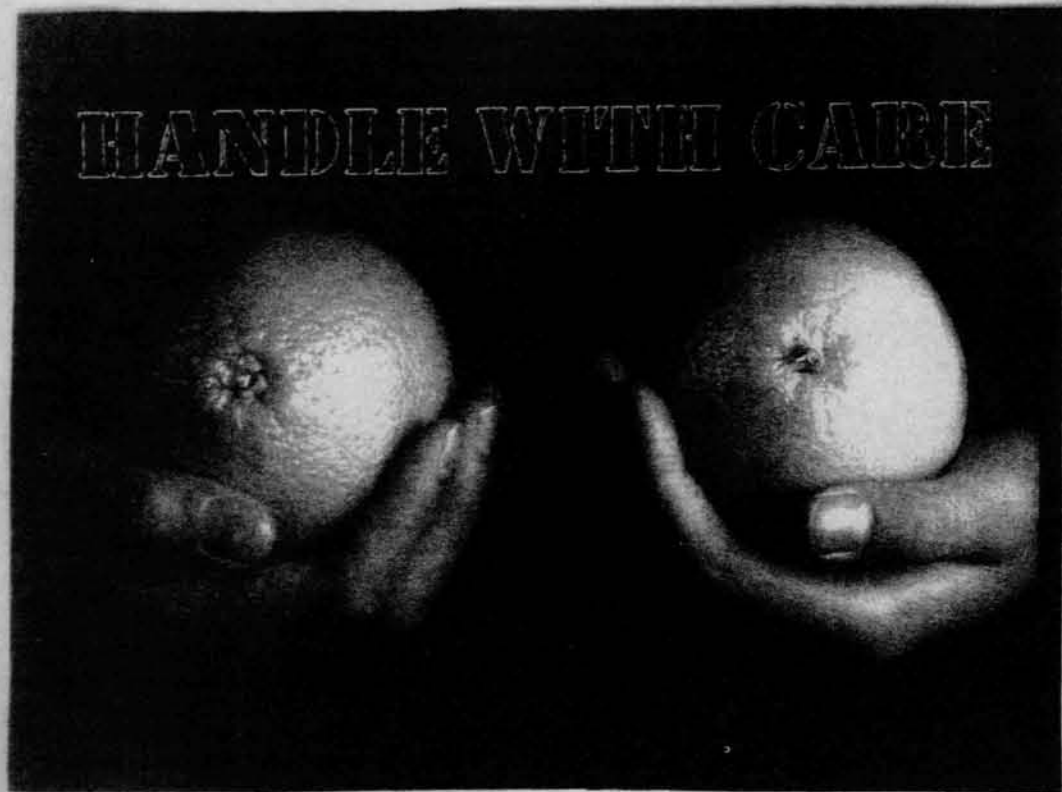
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Football A League Standings

Affiliation Team	W	L	T	PF	PA
SLN Sloan 1	3	0	0	50	6
BGSA Bad Boys	3	0	0	30	12
LLUA LLUA	3	1	0	66	32
IND TD's	3	1	0	44	25
ATO ATO	1	2	0	38	42
DTD DTD A	1	2	0	14	38
PKT PKT	1	3	0	37	58
DU DU	0	3	0	18	38
SLN Sloan 2	0	3	0	26	72

Soccer A League Standings

Affiliation Team	W	L	T	PF	PA
IND Latinos Futbol Club	2	0	0	5	1
SLN Sloan 1	1	1	1	6	6
DU DU Destroyers	1	1	0	3	2
IND Africans	0	0	1	2	2
SLN Sloan 2	0	0	1	3	3
DTD DTD	0	2	1	2	7
BAK Baker	0	0	0	0	0
IND B-League All-Stars	0	0	0	0	0
PSK Boys in Blue	0	0	0	0	0

Tennis A League Standings

Affiliation Team	W	L	T	PF	PA
EURO Euroclub	4	0	0	12	0
PBE DST	3	0	0	8	1
PKT Wessiders	3	1	0	10	2
ASH Ashdown	3	1	0	8	4
AEPI Lions	2	0	0	5	1
CHEE CHEME A	2	1	0	6	3
TANG Tang Hall	2	2	0	8	4
KS Kappa Sigma	1	2	0	2	7
EC East Campus	1	3	0	3	9
ZP Jiggypuff	1	3	0	3	9
IND Smashing Lid Cans	0	2	0	0	6
DTD Delta Tau Delta	0	3	0	0	9
HST HST & The Warehouse	0	4	0	1	11

Badminton A League Standings

Affiliation Team	W	L	T	PF	PA
IND Class of 2003	1	0	0	0	0
TMIT TSMIT	1	0	0	3	0
ASH Ashdown	1	1	0	3	3
AA Aero/Astro	0	1	0	0	3
EDG Edgerton House	0	1	0	0	0

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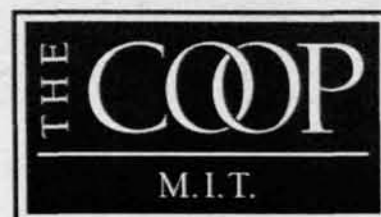
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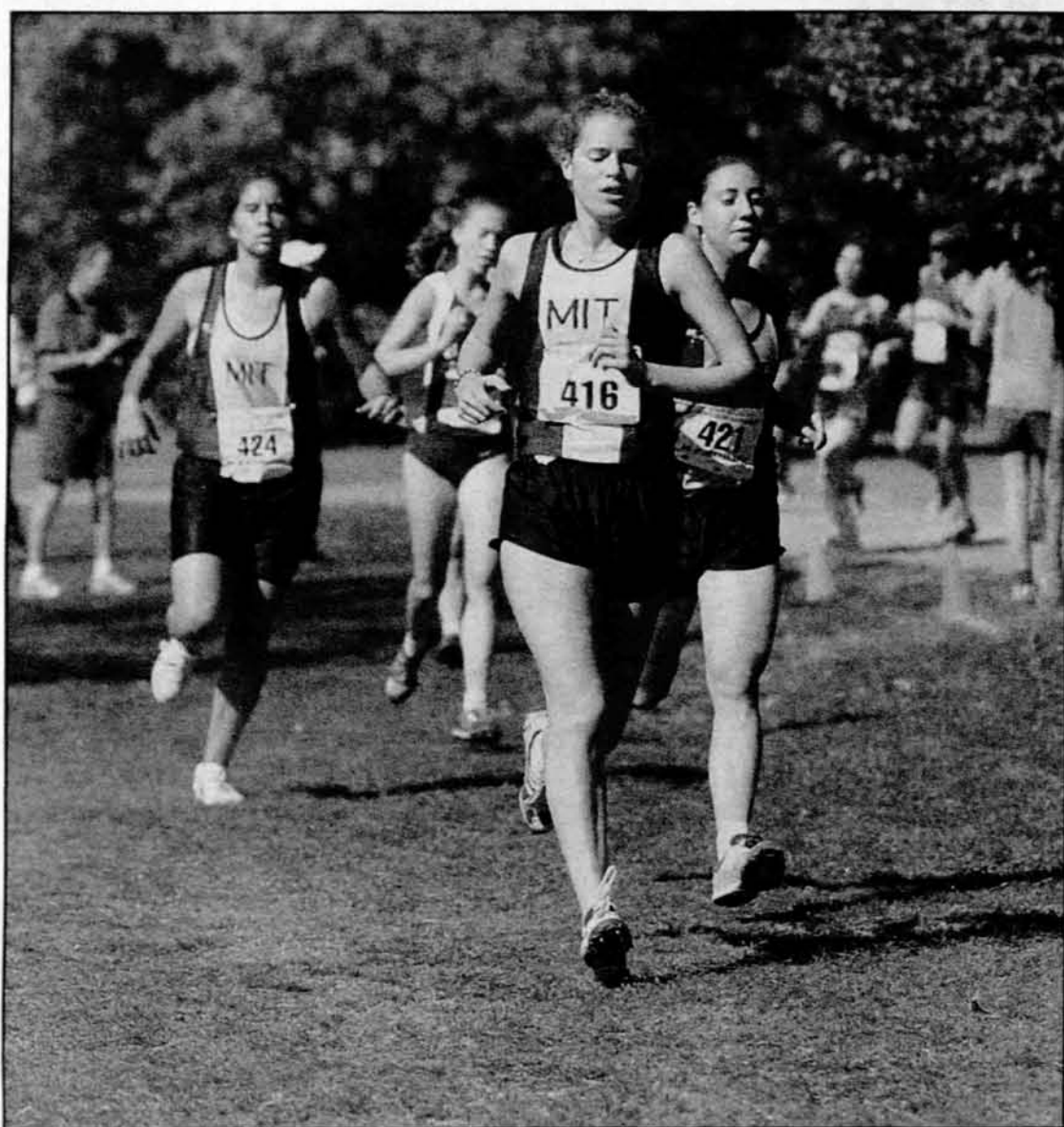
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SPORTS



Kathleen R. Huffman '04 (center) leads Margaret F. Nervegna G (right) and Crystal A. Russell '03 (left) in All-New England Cross Country Championships this Saturday. The MIT women ran in solid packs, with less than 80 seconds separating the top seven women at the end of the 5 kilometer race. MIT placed in the top ten Division III schools.

Cross Country Earns Mention in DIII Poll

By Jennifer DeBoer

TEAM MEMBER

After strong finishes in last Friday's All-New England race, the women's cross country team broke into the elite Division III rankings, receiving one vote in the rankings for this week.

The poll, voted on by member coaches in the New England Division III Conference, ranks the top ten teams, and also includes those teams receiving any votes. Middlebury topped the list, followed by Williams and Amherst.

The race included not only the teams included in the poll, but also area Division I and II teams such as Harvard, Brown, and Boston University. The field included 41 teams, each competing with seven runners in the varsity race.

Leading the MIT team was Martha W. Buckley '04, who finished 66th overall. Her final time, 19:27, was quick enough to earn her an honorable mention in the Division III polls. At the Wellesley meet last week, Buckley's time of 19:32 and her second place finish earned her the title of NEWMAC Runner of the Week.

Currently, the Engineers are holding on to the number one spot in the NEWMAC rankings after grabbing it from Wellesley two weeks ago.

Julia C. Espel '05 came in second for MIT with a time of 19:50, 105th place overall. Veronica A. Andrews '05 and Lynn K. Kamimo-

to '05, working together throughout the race, finished within .01 seconds of each other at 20:21 and 20:21.01 respectively, 151st and 152nd place.

MIT's team, the second youngest in the conference, greatly improved its overall place from last year. The team dropped 350 points, the biggest turnaround for any of the teams at the Championship.

"Now that was cross-country!" Coach Harold B. Hatch said.

Rounding off the varsity were Margaret F. Nervegna G with a time of 20:38 and Katie R. Huffman '04 right behind her, at 20:38.01. The two placed 173 and 174 respectively. Crystal A. Russell '03 finished 180th with a time of 20:45.

The team is now looks toward the end of the season. Coach Paul Slovenski is hopeful about the team, though he admits the pressure is on MIT to perform.

"Times like these call for a decisive hit in order to separate out any supposedly even parties," Slovenski said.

NEWMAC Championships are October 27th at Franklin Park, located at the last stop on the orange line. The women's race starts at 2:00 p.m.

The only conference team MIT has not yet beaten is Wheaton. Slovenski hopes to concentrate on the Wheaton and Wellesley teams to succeed at the Championships.

"Let's not even make it close," Slovenski said to his team. "We're hoping to claw our way past those who have done it to us in other conference championships."

Volleyball Ranks 20th

By Roger F. Crosley

DIRECTOR OF SPORTS INFORMATION

• The MIT women's volleyball team recently won its fourth consecutive tournament by sweeping through the Eastern Connecticut State University Crabtree Invitational. MIT defeated Lasell College, Plymouth State College, Endicott College, Babson College, and the host school in straight sets. Christina Almodovar '02, MIT's setter, was named the tournament most valuable player, and was also selected the New England Women's & Men's Athletic Conference Player of the Week. Barbara J. Schultze '02 was named to the All-Tournament team. MIT is currently the top ranked Division III team in New England, and is ranked 20th in the nation in Division III out of 395 volleyball playing schools.

• The MIT women's cross country team recently captured the Wellesley Invitational for the first time since 1993. Leading the way for the Engineers was Martha W. Buckley '04, who placed second overall in the meet. For her effort, Buckley was named the NEWMAC Runner of the Week. Buckley covered the 3.2 mile course in 19:32, only two seconds behind the winning runner. Both the MIT women's team and the MIT men's team are ranked first in the NEWMAC. The men's team was the third Division III finisher at the recent All-New England Championships. The Engineers placed 12th overall in the 42 team field, led by Daniel R. Feldman '02 who finished ninth covering the 5.1 mile course in 24:57. Feldman was the top finisher from a non-Division I college.

• MIT's Kelli A. Griffin '03 was named the NEWMAC Co-Player of the Week in women's soccer for the week ending October 7. Griffin had 13 points during the week leading MIT to three wins in three games. The team currently boasts its best record since 1993.

• The MIT golf team finished third at the recent NEWMAC championship at Holden Hills Country Club. MIT's Robert R. Desoe '02 was named to the NEWMAC All-Conference team by virtue of his fifth place finish among all participants.

• In water polo, MIT was unable to defend the Eastern Division III championship, falling to Johns Hopkins University 10-14 in the finals of this year's tournament. Five Engineers were named to the All-tournament team. First team selections for MIT were James C. Brady '03 and Peter D. Vanbuskirk '04. Named to the second team were David D. Lohrey '05 and Daniel F. Morris '02, while Devon C. Charlton '04 was an honorable mention pick.

UPCOMING HOME EVENTS

Saturday, October 20

Men's Soccer vs. Clark, 1:00 p.m.
Field Hockey vs. Wellesley, 1:00 p.m.

Thursday, October 25

Men's Soccer vs. Gordon College, 3:00 p.m.

Lacrosse Club Wins Tournament

By Lorien Paulson

TEAM MEMBER

The MIT Women's Lacrosse club went undefeated in five games to win the First Annual Columbus Day Tournament at Brandeis University.

Despite a lack of any extra players for substitutions, MIT easily swept Brandeis University, Northeastern University, and the University of Rhode Island in the first round of Sunday's tournament, defeating them 11-1, 7-2, and 6-2, respectively. In the semifinal round, number one seed MIT faced off against number four Brandeis. Stepping their game up a notch, MIT kept Brandeis scoreless this time and took the match with a score of 12-0.

In the finals, MIT played number two seed Rhode Island and the game was tied 4-4 after the 25 minute regulation game. In sudden death overtime, URI gained the first possession. However, the MIT defense was impenetrable, thanks to a coordinated effort led by Rachel Knipe G and Helana M. Kadyszewski '03.

The ball traded possessions several times, but finally ended up with the MIT attackers. While driving in for a goal, Debbie Cheng '04 was fouled by a URI defender. Cheng was given a free shot from the center of the 8 meter arc, and fired a quick bounce shot to the left side of the goal to give MIT the win.

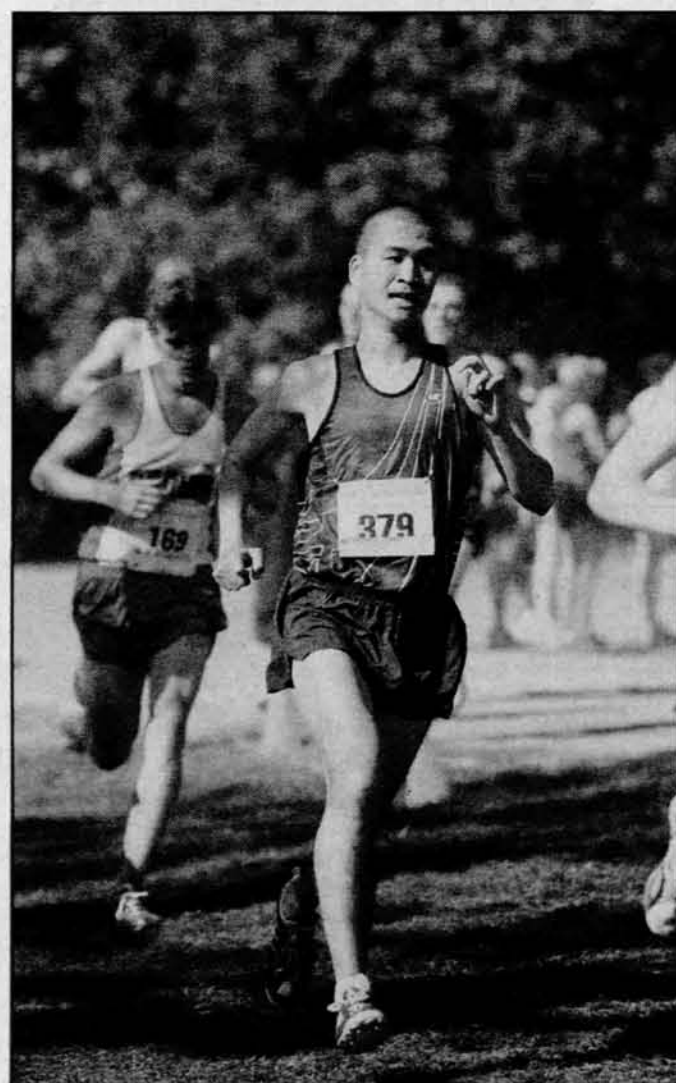
Tournament goals were scored by Debbie Cheng, Theresa Cheng '02, Stephanie I. Hsu '04, Paulson, Christine Lin '04, Deborah M. Rothman G, Jennifer M. Fiumara '02, Lynn Matthews G, Kathryn S. Auw '05, and Maria C. Schriver '05. MIT scored a total of 40 goals and only allowed nine goals into their own net, thanks to goalie Joyce C. Ho '03.

"The Brandeis tournament only proves the potential of MIT's women's lacrosse program," said

Kadyszewski. "This will be a big year for us if we realize this potential."

The club, which was formed by MIT Varsity Women's Lacrosse players to prepare for the upcoming spring season, is led by Lorien M.

Paulson '02 and Theresa Cheng. This tournament marked the first official competition of the year for the student-run team. The program looks forward to continuing their recent success, both this fall and in the spring season.



Albert S. Liu '03 approaches the finish of the men's 8-kilometer race at the All-New England Cross Country Championships this past Saturday. Daniel R. Feldman '02 led the team with a 9th place finish, while MIT captured 12th out of 42 teams from Divisions I, II, and III.